[Archived Catalog]

Mansfield University 2021-2022 Undergraduate Catalog

Mansfield University of Pennsylvania

Mansfield, PA 16933

Admissions Office

Phone: 570-662-4243 or 800-577-6826

Fax: 570-662-4121

E-Mail: admissions@mansfield.edu

Web Site: mansfield.edu

Any information contained herein is subject to change without notice.

[Archived Catalog]

Academic Programs

Undergraduate Degree Programs

- Art History, Bachelor of Arts
- Biology, Bachelor of Science
- Biology, Cell and Molecular Concentration
- Biology, Environmental Biology Concentration
- Biology, Fisheries Concentration
- Biology, Medical Laboratory Sciences Concentration
- Business Administration, Accounting Concentration
- Business Administration, Associate of Science
- Business Administration, Bachelor of Science
- Business Administration, Management Concentration
- Business Administration, Marketing Concentration
- Chemical Technology, Associate of Science
- Chemistry, Bachelor of Science
- Chemistry, Biochemistry Concentration
- Chemistry, Forensic Science Concentration
- Chemistry, Nanotechnology Concentration
- Chemistry, Physics Concentration
- Chemistry, Plant Extraction Chemistry Concentration
- Communication, Electronic Media Concentration
- Communication, Organizational Communication Concentration
- Communication, Public Relations Concentration
- Communication, Sports Information Concentration
- Community Health Education, Bachelor of Science
- Computer & Information Science, Bachelor of Science
- Computer Information Systems, Associate of Science
- Criminal Justice Administration, Associate of Science
- Criminal Justice Administration, Bachelor of Science
- Early Childhood and Elementary Education, Bachelor of Science in Education
- English, Bachelor of Arts
- Environmental Technology, Associate of Applied Science
- Geosciences, Bachelor of Science
- Geosciences, Environmental Science Concentration
- Geosciences, Geoarchaeology Concentration

- Geosciences, Geology Concentration
- Geosciences, Watershed Management Concentration
- Graphic Design, Bachelor of Science
- Health Education, Associate of Applied Science
- History, Bachelor of Arts
- Liberal Studies, Associate of Arts
- Liberal Studies, Bachelor of Arts
- Mathematics, Bachelor of Science
- Music Education, Bachelor of Music
- Music, Bachelor of Arts
- Music: Elective Studies in Business, Bachelor of Music
- Music: Emphasis in Music Technology, Bachelor of Music
- Music: Music Performance, Bachelor of Music
- Nursing, Bachelor of Science in Nursing
- Nutrition, Bachelor of Science
- Political Science, Bachelor of Arts
- Professional Studies in Secondary Education, Bachelor of Science in Education
- Psychology, Bachelor of Science
- Psychology, Human Resource Management Concentration
- Radiologic Technology, Associate of Applied Science
- Respiratory Care, Bachelor of Science
- Safety Management, Bachelor of Science
- Social Work, Bachelor of Social Work
- Sociology, Bachelor of Arts
- Substance Use and Behavior Disorder Counseling, Associate of Science
- World Languages and Cultures, Bachelor of Arts

Undergraduate Minor

- Accounting Minor
- Art History Minor
- Biology Minor
- Business Administration Minor
- Chemistry Minor
- Child Welfare Minor
- Community Health Education Minor
- Creative Writing Minor
- Criminal Justice Administration Minor
- Education Minor
- Electronic Media Minor
- English Literature Minor
- Ethnic Studies: African-American Studies Minor
- Forensic Science Minor
- Geology Minor
- Graphic Design Minor
- History Minor

- Information Systems Minor
- Management Minor
- Marketing Minor
- Music Minor
- Music Technology Minor
- Nutrition Minor
- Organizational Communication Minor
- Philosophy Minor
- Political Science Minor
- Pre-Law Minor
- Professional Writing Minor
- Psychology Minor
- Public Relations Minor
- Social Welfare Minor
- Sociology Minor
- Spanish Minor
- Studio Art Minor
- Watershed Management Minor
- Women's Studies Minor

Undergraduate Other Programs

- GENERAL EDUCATION 2010 catalog or earlier
- GENERAL EDUCATION 2011 catalog or later
- Geographic Information System, Certificate
- Occupational Safety, Certificate
- Post-Baccalaureate Teacher Certifications
- Pre-Professional Medical Sciences, Certificate, Post-Baccalaureate
- The Great Conversations Honors Program

[Archived Catalog]

Art History, Bachelor of Arts

Offered by the Department of Art, Communication, English, and World Languages

Art history majors acquire a background in the historical and cultural origins of the visual arts, from cave painting to computer art. Art History courses include Art and Mythology of Ancient Greece, Women in Ancient Greek Art, Art of Ancient Rome, Art of Ancient Egypt, Medieval Art, Art of the Renaissance, History of African-American Art, Art of Africa and Oceania, Modern Art, and Contemporary Art.. This program is primarily preparation for graduate school, but with close advisement in selecting courses, it also prepares students for work in galleries, museums, writing in the art field, and other related careers.

The B.A. in Art History is unique in that it offers all 30 credits of core courses in Art History in an online environment. In addition the 120 credit program requires 55 credits of General Education courses, and 35 credits of free electives. The 30 credits of core courses consist of ARH 1101 Introduction to Art, ART 3300 Visual Studies in Aesthetic Experiences, ART 4404 Special Problems in Art, and 21 credits of Art History electives. As part of the B.A. degree in Art History, students are required to do either a minor in any field, or complete any language of choice at a second year proficiency. Currently the majority of online General Education courses are offered during the summer. Students may supplement their online courses with courses that are offered on campus, or they may opt to transfer in credits from elsewhere as part of their degree program.

Mission

The mission of the Art Department at Mansfield University is to develop and sustain flourishing programs within the visual arts that support the needs of its undergraduate and continuing education students, as well as members of the community seeking personal enrichment.

The Art Department will continue to provide opportunities that challenge tomorrow's students-helping to cultivate art- and design-related leaders and entrepreneurs within our communities.

Through all interactions, the Art Department strives to exemplify and teach respect for art and scholarly endeavors-engendering positive character, critical thinking, and an environment for constructive, ethical, and professional creative practice.

Seamlessly imbedded into our curriculum, is a focus on visual literacy and global awareness, paired with learning that is centered in process, technology, and applied practice. These components are inherent to the fabric of a strong, liberal arts university, and essential in developing individuals who will strive to leave a positive imprint on the world.

Vision

The Art Department will serve as a cultural center of the visual arts for the University and outlying communities.

Through an ongoing awareness of our program goals, content and structure, the
Art Department will maintain offerings that are vital, innovative, and in-step with current best practices, pedagogues, and technologies.

By continuing to foster a creative and flexible program structure, the Art Department will seek to provide an educational platform that guides students' individual needs, and provides them with the ability to acquire necessary life and career competencies.

With the support of the University, the Art Department will continue to offer a gallery venue through which students, faculty, and professional

artists may exhibit their work-further establishing accessibility to the arts within our region.

Goals

- Facilitate art- and design-based programs that are central to the liberal arts experience, by promoting creative thinking, collaboration, and community engagement.
- Demonstrate the value of the creative process through rigorous research, revision and critique.
- Focus on written, oral, visual, and aural communication with intention and awareness of audience.
- Nurture and sustain programs that provide art- and design-related experiences for students and community.

Program Outcomes

- **ARH-SLO1 Knowledge of Culture**
  Articulate knowledge of the historical and contemporary cultural contexts in which works of art were/are made.
- **ARH-SLO2 Cultivation of Visual Literacy**
  Develop the ability to interpret, evaluate and extrapolate meaning from visual and material culture.
- **ARH-SLO3 Analysis of Iconography**
  Analyze the iconography of western and non-western works of art.
- **ARH-SLO4 Evaluation of Aesthetics**
  Assess and appreciate the aesthetic properties of western and non-western works of art.
- **ARH-SLO5 Execution of Effective Research**
  Demonstrate the ability to research effectively through retrieval, synthesis and proper citation of ideas and information.

Program Requirements: Art History (B.A.): 120 s.h.

- ARH 1101 - INTRODUCTION TO ART
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES
- ART 4404 - SPECIAL PROBLEMS IN ART
- Art History Electives - 21 credits from the ARH prefix

Total Credit Hours: 30

[Archived Catalog]

Biology, Bachelor of Science

Offered by the Department of Natural Sciences

The Department of Natural Sciences offers the B.S. degree with five concentrations within the major in Biology: General, Molecular/Cellular, Environmental, Fisheries, and Medical Laboratory Sciences. The department also offers a minor in Biology. The Department promotes, encourages and assists with the broader university-wide outcomes of Leadership and Global Consciousness. Mansfield has 3+4, 4+4 medical, pharmacy and dentistry applications with Lake Erie College of Osteopathic Medicine, Erie, Pa. Similar application agreements are in preparation with several other institutions.

A feature of all Biology curricula is the requirement to complete an undergraduate research project. All concentrations meet the minimum requirements for medical schools. The Biology program is excellent preparation for graduate school. Many Biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements for medical, dental, chiropractic, veterinary, physician assistant, optometry, pharmacy, and physical therapy schools with proper course selection under the B.S. degree.

Department Mission

Biology's mission is to provide high quality undergraduate instruction through which students explore biology and develop as scientists by applying the scientific method and principles of scientific investigation, including a capstone independent research project required of majors. Through instruction, research, and outreach the Biology Department will serve the University, community, and region.

Department Goals

- Quality Undergraduate Instruction
  Biology strives to provide high quality undergraduate instruction through a rigorous curriculum which fosters opportunities for students to learn and apply basic biological concepts, make connections between those concepts and real-world situations, and critically evaluate information for its biological validity.
- Integration of Scientific Investigation
  Every Biology major, except Medical Laboratory Sciences, will design and complete an independent research project in collaboration with a faculty advisor.
- Service to the University, Community, and Region
  Biology is committed to helping students recognize opportunities to apply their biological knowledge and skills to serve the community.

Program Outcomes

After completing their biology degree, students will be able to:

1. Demonstrate knowledge and comprehension in five core concepts of biology at varying scales (molecules to ecosystems). Core concepts include 1) Evolution, 2) Structure and function, 3) Information flow, exchange, and storage, 4) Pathways and transformations of energy and matter, and 5) Systems.

2. Demonstrate the ability to apply critical, analytical and integrative thinking to biological problems.

3. Apply the scientific method to design and conduct biological research, including analyzing and interpreting biological data.

4. Clearly communicate biological ideas with scientists and the general public in both

written and oral form.

5. Concentration Specific Outcomes (see individual concentrations)

    5.1 Environmental Biology Concentration
    5.2 Fisheries Concentration
    5.3 Cell and Molecular Concentration
    5.4 Medical Technology Concentration

Department Policies and Procedures

Biology Electives - All upper level Biology elective transfer credits (after becoming a Mansfield student) must be taken from 4-year institutions.

Cell Phones - Visible cell phones can lead to a grade of zero on graded activities. Cell phone use during lecture and lab can cause deductions in course grades.

CPUB Membership - All students upon enrollment as a major in any Biology program automatically become a member of the Commonwealth of Pennsylvania University Biologists (CPUB) which encompasses students and faculties from the 14 Pennsylvania State System of Higher Education institutions.

Internships - Internships cannot be taken for more than 3 credits; BI 4450 (Internship), 6 and 12 credits, has been replaced by BI 4451 (Practicum in Biology), 1-3 credits.

Lab - Lab and lecture must be taken together for all Biology courses (BI, BSC) having both components. Lab must be passed to pass the course. A minimum of 75% of labs must be attended to pass lab. If lecture or lab is failed, both components must be repeated.

Pass/Fail - No courses required in Biology programs can be taken as Pass/Fail.

Research - Proposals from research projects must be approved by a departmental research committee, and if appropriate, Institutional Animal Care and Use Committee and Institutional Research Committee, if using animal or human subjects, respectively.

Capstone Courses - Both BI 4492 (Research in Biological Systems I) and BI 4493 (Research in Biological Systems II will be offered each Fall and Spring semester. Students beginning research will take BI 4492, and students continuing research (with previous collected data) will take BI 4493. CAP 4999 is incorporated in BI 4493.

Program Requirements: Biology (B.S.) 120 s.h.

- BI 1101 - PRINCIPLES OF BIOLOGY I
- BI 1102 - PRINCIPLES OF BIOLOGY II
- BI 3290 - RESEARCH METHODS
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 3350 - ECOLOGY
- BI 3370 - CELL BIOLOGY
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I

- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Cell / Molecular Block

Take one course from the following:

- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 4470 - MOLECULAR BIOLOGY

Environmental

Take one course from the following:

- BI 3351 - LIMNOLOGY
- BI 3354 - MARINE BIOLOGY
- BI 3356 - ANIMAL BEHAVIOR
- BI 4470 - MOLECULAR BIOLOGY

Methods

Take one course from the following:

- BI 2525 - AQUATIC TECHNIQUES
- BI 3311 - NEUROPHYSIOLOGY
- BI 3378 - TISSUE CULTURE
- BI 3395 - INTRODUCTION TO GENOMICS
- BI 3396 - LABORATORY ANIMAL SCIENCE

Electives

Take three courses from the BI prefix

Total Credit Hours: 65 - 71

[Archived Catalog]

Biology, Cell and Molecular Concentration

Offered by the Department of Natural Sciences

The Cell and Molecular Biology concentration is designed to educate students in contemporary Biology emphasizing molecular interactions, cell development and functions. This program has a strong emphasis on chemistry. Students learn to manipulate and use a variety of cell and molecular techniques important in present day research. Students selecting this concentration are qualified to enter the job market in Biotechnology, Pharmaceuticals, Medicine, and the Molecular Biology of the environment. The student learning outcomes for the Cell and Molecular Biology Concentration are the same as for the overall program, but with special emphasis on the knowledge of Biology pertaining to cellular structure and function and the molecular aspects of Biology. Mansfield has 3+4, 4+4 medical applications with Lake Erie College of Osteopathic Medicine, Erie, Pa. Similar application agreements are in preparation for pharmacy and dentistry.

Concentration Outcomes

In addition to the core Student Learning Outcomes for the Biology program, students in the Cell and Molecular Concentration are expected to be able to apply:

Successful application of laboratory techniques required for Cell and Molecular Biology experimentation, including nucleic acid purification, polymerase chain reaction, immuno-based assays, sterile culture techniques, and handling of bacterial cultures.

Program Requirements: Biology Cell & Molecular Concentration

- BI 1101 - PRINCIPLES OF BIOLOGY I
- BI 1102 - PRINCIPLES OF BIOLOGY II
- BI 3290 - RESEARCH METHODS
- BI 3370 - CELL BIOLOGY
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Cell / Molecular Block

- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3378 - TISSUE CULTURE
- BI 4470 - MOLECULAR BIOLOGY

Concentration Options

Take one course from the following:

- BI 3310 - PHYSIOLOGY
- BI 3350 - ECOLOGY
- CHM 3341 - BIOCHEMISTRY

Total Credit Hours: 68

[Archived Catalog]

Biology, Environmental Biology Concentration

Offered by the Department of Natural Sciences

The Environmental Concentration is for students interested in environmental issues. Students receive a general overview of the field as well as practical skills. The concentration is designed to train scientists to look at environmental problems in an interdisciplinary way. Students will receive a solid base in the environmental field as well as related courses in the Arts and Sciences. Graduates can expect employment opportunities with state and federal agencies or in the private sector.

Concentration Outcomes

Explain how biological principles relate to contemporary environment issues.

Program Requirements: Biology, Environmental Biology Concentration (B.S.): 120 s.h.

- BI 1101 - PRINCIPLES OF BIOLOGY I
- BI 1102 - PRINCIPLES OF BIOLOGY II
- BI 3290 - RESEARCH METHODS
- BI 3350 - ECOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 3391 - EVOLUTION
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- GEG 1122 - ENVIRONMENTAL ISSUES
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take two courses from the following:

- BI 3314 - ICHTHYOLOGY
- BI 3317 - PARASITOLOGY

- BI 3318 - ORNITHOLOGY
- BI 3351 - LIMNOLOGY
- BI 3356 - ANIMAL BEHAVIOR

Take one course from the following:

- BI 3371 - MICROBIOLOGY
- BI 3535 - INTRODUCTION TO CONSERVATION GENETICS

Take two courses from the following:

- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 3225 - ADVANCED GEOGRAPHIC INFORMATION SCIENCE
- GEOS 2855 - WETLAND SCIENCE
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- GEOS 3105 - ENVIRONMENTAL PERMITTING

Total Credit Hours: 70 - 73

[Archived Catalog]

Biology, Fisheries Concentration

Offered by the Department of Natural Sciences

Mansfield Fisheries prepares you to meet the highest professional standards in the field of fisheries sciences. In fact, upon graduation, you will meet all requirements for certification as an Associate Fisheries Scientists by the American Fisheries Society. Our program places a high value on individual-based learning, critical thinking, research, communication, and problem-solving - making graduates highly competitive for employment or graduate school opportunities throughout the United States. The program is housed within the Biology Department and provides extensive course work in four major areas of Fisheries Science: Aquaculture, Conservation Genetics, Fisheries Biology, and Fisheries Management. Unique features of the program include a summer internship, field courses, and a required research project. Cooperative education and research agreements with the U.S. Geological Survey, U.S. Fish and Wildlife Service, and the Pennsylvania Fish and Boat Commission are also integral components of the Fisheries Program at Mansfield University.

Objectives:

- Pursue scientific enquiry. You will be taught basic and applied aquatic sciences with an emphasis on biology, ecology, conservation, and management.
- Critically evaluate science and the scientific method. We use lab classes, proposal writing, field experience and research projects to encourage evidence-based learning.
- Be proficient in scientific methodology and analytical approaches. You will have many opportunities to apply your knowledge in small, instructor-guided learning environments.
- Learn effective communication skills. Our favorable student-to-faculty ratio gives you the chance to practice your oral and writing skills in all our classes.
- Cultivate broad academic and social skills that allow you to practice across different disciplines, cultures and communities. Students are exposed to a wide range of learning environments that promote these skills, including internships, interactions with external agencies, and field-based courses.

Concentration Outcomes:

In addition to core Student Learning Outcomes for the Biology program, students in the Cell and Molecular Concentration are expected to be able to apply:

- Demonstrate knowledge of fishery science, with a particular emphasis on the biology, husbandry and management of aquatic organisms.
- Identify and use appropriate tools for data collection in fisheries science.
- Apply theoretical and technical knowledge of quantitative (mathematical and statistical) sciences to fisheries research and management problems.
- Design and conduct quantitative fisheries stock assessments.
- Write and communicate fisheries management recommendations using quantitative assessment results and management strategy evaluations

Program Requirements: Biology, Fisheries (B.S.): 120 s.h.

- BI 1101 - PRINCIPLES OF BIOLOGY I
- BI 1102 - PRINCIPLES OF BIOLOGY II
- BI 1111 - AQUACULTURE
- BI 1112 - APPLIED AQUACULTURE
- BI 2525 - AQUATIC TECHNIQUES
- BI 3290 - RESEARCH METHODS
- BI 3314 - ICHTHYOLOGY
- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS
- BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS
- BI 3370 - CELL BIOLOGY
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BI 3535 - INTRODUCTION TO CONSERVATION GENETICS
- BI 4451 - PRACTICUM IN BIOLOGY
- BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I
- BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- MA 2231 - CALCULUS I
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Total Credit Hours: 76 - 79

[Archived Catalog]

Biology, Medical Laboratory Sciences Concentration

Offered by the Department of Natural Sciences

The Medical Laboratory Sciences program includes three years of academic study on campus and one year (50 weeks) of clinical study at an approved hospital school of Medical Technology. This program is designed to prepare students for a professional career in Clinical Laboratory Sciences and Biotechnology. The program is accredited by the National Agency for Clinical Laboratory Sciences (NAACLS).

Medical technologists perform complex laboratory analysis that plays a crucial role in the diagnosis and treatment of disease. Courses at Mansfield range from General Education, Chemistry, Biology, and Physics to Mathematics. Clinical courses include Urinalysis, Hematology, Clinical Chemistry, Blood Banking, Immunology, Parasitology, Medical Bacteriology, and Mycology. The student must apply to a hospital school and be accepted by the hospital for the year of clinical study. Mansfield University has an affiliation with Robert Packer Hospital School of Medical Technology in Sayre, Pennsylvania. Brian Spezialetti, M.S.Ed, MT (ASCP), program director and Joseph King, M.D., medical advisor, administer the Medical Technology Program at Robert Packer Hospital. Program graduates meet the requirements for certification by the American Society of Clinical Pathologists. Graduates of this program have professional employment opportunities in the following fields: hospital and private laboratories, pharmaceutical laboratories, research laboratories, biotechnology laboratories, veterinary clinics and forensic laboratories. Career growth is possible within the field and numerous graduate and professional school opportunities exist for students interested in furthering their education. If you choose not to do a clinical year or you are not accepted to a hospital school, you may complete a fourth year at Mansfield University and receive a B.S. in Biology.

Concentration Outcomes

In addition to the core student learning outcomes for the Biology program, students in the Medical Technology Concentration will apply knowledge in specific content areas and proficiency in laboratory skills required of a clinical laboratory professional (medical technologist). These specific content areas and laboratory skills include the following:

- Hematology and transfusion medicine
- Urinalysis and body fluids
- Clinical chemistry
- Medical bacteriology, mycology and parasitology
- Immunology
- Clinical laboratory management

Program Requirements: Biology, Medical Laboratory Sciences (B.S.): 120 s.h.

- BI 1101 - PRINCIPLES OF BIOLOGY I

- BI 3310 - PHYSIOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3374 - IMMUNOLOGY
- BI 4470 - MOLECULAR BIOLOGY
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- MA 1125 - INTRODUCTORY STATISTICS
- PHY 1191 - PHYSICS I

Take one course from the following:

- BI 3317 - PARASITOLOGY
- BI 3372 - GENETICS
- CHM 3311 - QUANTITATIVE ANALYSIS

Clinical Education / off campus - 32 credits (3000 / 4000 level)

Total Credit Hours: 84 - 85

[Archived Catalog]

Business Administration, Accounting Concentration

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

Business Administration, The Accounting Concentration

The accounting concentration develops an understanding of underlying principles of accounting and their applications to business. In conjunction with a strong business and general education background, students concentrating in accounting are positioned to pursue successful careers in industry, government, and not-for-profit organizations. Student internships and work experiences provide a way to gain valuable work experience that can lead to greater job opportunities.

Students planning to take the CPA exam need to be aware of the educational requirements of the state in which they intend to practice. In Pennsylvania, candidates may sit for the CPA Exam after graduation and completion of 120 hours of education, including 24 credits in accounting subjects. Candidates are required to obtain 150 credit hours of education, including 36 hours in accounting subjects, before a license is granted. Source: PICPA, CPA Exam in Pennsylvania ©2008.

Students interested in the CPA exam should consult their accountancy adviser.

Accounting Concentration Outcomes

Graduates of the Accounting concentration shall:

- Identify and analyze ethical considerations related to accounting decisions and the social responsibility of accountants' decisions including environmental, global and legal issues.
- Apply financial analysis to solve problems and make decisions.
- Discuss and analyze financial statements of corporations.

Program Requirements: Business Administration: Accounting (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
  - A grade of C- or better in BUS 2249 is required to progress to BUS 3349
- BUS 3349 - BUSINESS DATA ANALYSIS II
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4441 - FINANCIAL STATEMENT ANALYSIS
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY

- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- FIN 3380 - MANAGERIAL FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Accounting Courses

Accounting Sequence

- ACC 3310 - INTERMEDIATE ACCOUNTING I
- ACC 3311 - INTERMEDIATE ACCOUNTING II
- ACC 3320 - ADVANCED ACCOUNTING I
- ACC 3350 - COST ACCOUNTING I
- ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING
- ACC 4400 - AUDITING

Accounting Sequence continued

Take two courses from the following:

- ACC 3314 - AUTOMATED ACCOUNTING SYSTEMS
- ACC 3370 - FRAUD EXAMINATION
- ACC 3380 - TOPICAL SEMINAR
- ACC 3450 - ACCOUNTING PRACTICUM (maximum 3 credits)
- ACC 4450 - ACCOUNTING INTERNSHIP (maximum 3 credits)
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT

Total Credit Hours: 78 - 79

[Archived Catalog]

Business Administration, Associate of Science

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

---

The associate degree in business administration program entails a comprehensive study of management principles, accounting, and leadership skills. The online delivery mode provides a flexible pathway to a four-year degree program in business administration. The A.S. program assists students in acquiring business administration skills that will enhance their career opportunities.

Program Objectives:

- Provide students with business administration skills and a commitment to lifelong learning in business-related fields like accounting, marketing, management, and finance.
- Prepare students for a career in business administration.

Student Learning Outcomes:

After successful completion of the AS online degree program, students will be able to:

- Demonstrate basic management skills
- Apply elementary quantitative skills to solve business problems
- Demonstrate the ability to perform financial analysis

The outcomes will be assessed by comparing student performance on summative exams in the relevant courses to the program's established benchmarks and expectations

Program Requirements: Business Administration (A.S.): 60 s.h.

General Education requirements:

- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR

    - 3 credits Mathematics or Natural and Physical Sciences

    - 3 credits Global Perspectives
        - Choose one of the following options:
        - Option 1: Language Other than English
            - Option 2: Western and Non-Western Global Cultures

    - 6 credits Themes (choose from at least two strands)

- Strand 1: Ethics and Civic Responsibility
- Strand 2: Environmental, Economic, Social, and Personal Sustainability
- Strand 3: Arts and the Human Experience

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

- 6 credits Social and Behavioral Sciences

- ECO 1101 - PRINCIPLES OF MACROECONOMICS

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Major requirements:

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
- BUS 4410 - BUSINESS LAW I
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- FIN 3301 - INTRODUCTION TO FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Business Administration Electives

Take 6 credits from the ACC, BUS, ECO, FIN, MGT, and MKT prefixes

Total Credit Hours: 60

[Archived Catalog]

Business Administration, Bachelor of Science

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The Business Administration major

The B.S. degree in Business Administration provides students with experiences critical to success in our fast-paced, global environment. As the amount of information available continues to accelerate, it is the leadership skills learned at Mansfield that will provide our business graduates with the compass to navigate this complex environment. Leadership skills are buoyed by key employer-requested skills, including written and oral communication, quantitative and information literacy, teamwork, problem solving, and ethical responsibility. This valuable skill set is embedded into the program's business education and reinforced in the student's elective business coursework. The elective courses serve the purpose of strengthening student knowledge in critical fields including finance, computer information systems and technology, global business, economics, management, marketing, and accounting.

The business major allows students maximum flexibility to design an individualized program of study tailored to each student's individual interests and aspirations. Students can focus in accounting, marketing and management. Alternately, students can choose a broad undergraduate business background and select courses from a blend of areas. There is flexibility built into the design of the program to permit internships, practicum work experiences, and minor studies. There is room to meet the individual needs and interests of students in the course work they select.

Our Mission

The Department of Business Administration at Mansfield University prepares students for professional careers in business, government, not-for-profit organizations, and public accounting.

Our curriculum is characterized by:

- a strong foundation in the liberal arts, which strengthens writing, speaking, and analytical skills;
- an emphasis on entry-level business knowledge;
- an environment that fosters the development of problem solving and decision making skills;
- an emphasis on using computer technology as a tool for communication, analysis, and problem solving;
- an atmosphere that encourages ethical and social responsibility

Our Vision

To achieve a business-focused learning environment that nurtures leadership potential in an academically rigorous, mutually responsible learning process, enhanced by interdisciplinary scholarship and community engagement. As a faculty we strive to be seen by the by the University, the local community, students, and employers as community leaders, intellectual contributors to our disciplines, and providers of an outstanding educational experience.

Program Outcomes

A student completing the BSBA program at Mansfield University will:

- Demonstrate effective written communication skills.

- Identify and analyze ethical considerations related to business decisions and the social responsibility of business decisions including environmental, global and legal issues.
- Apply business methods to solving problems and making decisions.
- Demonstrate discipline specific skills.
- Analyze and apply qualitative and quantitative data.
- Demonstrate the use of computers and computer applications in making business decisions.

Policies and Procedures

As academic advisors, the business faculty assist students with coursework selection. An advisor is assigned to all students when they enroll in the business program.

There are four minors developed within the business program: Accounting, General Business, Management, and Marketing. Students with a major in Business Administration cannot also minor in any business program minor. Students with a minor should have an advisor from the host department.

Student internships and work experiences provide a way to gain valuable work experience that can lead to greater job opportunities. Students can obtain information about internships from their academic advisor or from the Career Center.

Program Requirements: Business Administration (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
  - A grade of C- or better in BUS 2249 is required to progress to BUS 3349
- BUS 3349 - BUSINESS DATA ANALYSIS II
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- FIN 3380 - MANAGERIAL FINANCE

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Major Related Electives

Take 18 credits of Upper Division (3000 or 4000 level) courses from the following prefixes:

- ACC
- BUS
- FIN
- MGT
- MKT

or, PSY 3315 and PSY 3316

Total Credit Hours: 69 - 70

[Archived Catalog]

Business Administration, Management Concentration

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The management concentration promotes the understanding of new, creative ways of managerial thinking and practice, cultural flexibility, and adapting to new situations. It integrates theories and practices and provides a comprehensive body of knowledge about how students as future managers can become effective leaders in rapidly evolving environments. It focuses on providing a broad overview of the new context of contemporary organizations with an emphasis on theories and research findings that offer insights and practical knowledge about effective management. Graduates in management concentration develop knowledge and skills needed to ethically manage and lead small and large organizations with the goal of satisfying stakeholders' claims on the firm. Graduates have the opportunity start their own business or participate in for-profit and non-profit organizations.

Program Objectives:

Upon the completion of the Management Concentration students should be able to:

1. Describe the role and behavior of organizations in modern societies, managerial functions, the tools of modern management and recognize how to use these tools to assemble facts, analyze problem situations, evaluate and implement theories and technique.

2. Recognize the contemporary challenges facing managers: managerial ethics and corporate social responsibility and international management.

3. Apply learning experiences in management that will instill in students a relentless desire to continue their learning throughout their lives, discover continuing professional development and renewal as well as examine opportunities for personal growth using critical thinking.

4. Demonstrate the critical role of effective leadership and high ethical standards among students as future managers and leaders.

Program Requirements: Business Administration: Management (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
  - A grade of C- or better in BUS 2249 is required to progress to BUS 3349
- BUS 3349 - BUSINESS DATA ANALYSIS II
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- FIN 3380 - MANAGERIAL FINANCE

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Management Concentration

- BUS 3390 - SUPPLY CHAIN MANAGEMENT
- MGT 3315 - EHTICS and MANAGERIAL DECISION MAKING
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

Management Elective

Take one course from the following:

- ACC 3350 - COST ACCOUNTING I
- ECO 4485 - MANAGERIAL ECONOMICS
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT
- MKT 4415 - MARKETING MANAGEMENT
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4426 - E-MARKETING
- PHL 3260 - PROFESSIONAL ETHICS
- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II

Total Credit Hours: 69 - 70

[Archived Catalog]

Business Administration, Marketing Concentration

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

Marketing activities involve many challenging and thought-provoking activities that focus on identifying customer needs and providing a product or service to meet those needs. It includes making decisions about products or services to offer, where to market them, how to price them and how to develop and implement programs to efficiently communicate and distribute products and services to potential customers.

The Marketing Concentration offers excellent career prospects to an undergraduate major. It prepares students for a variety of marketing and sales related careers including but not limited to marketing, advertising, product management, marketing research analysts, e-commerce, logistics and supply chain management. They will also have the opportunity to pursue a graduate program in marketing or related fields.

Program Objectives:

The objective of the Marketing Concentration is to provide students with a broad business background and marketing perspective in order for them to succeed in an increasingly competitive global service and technology oriented environment. The program offers a comprehensive set of courses that foster students' knowledge of marketing related disciplines and critical-thinking skills. In addition, the program allows students to understand marketing function and its interrelationships with other business related disciplines.

Graduates of the Marketing Concentration shall:

1. Demonstrate written communication skills through marketing case analysis or marketing research report.

2. Identify and analyze ethical considerations related to marketing decisions and the social responsibility of marketers' decisions including environmental, global and legal issues.

3. Apply marketing theories / concepts to solving problems and making decisions in the marketing area.

4. Define, discuss and analyze marketing strategy.

Program Requirements: Business Administration: Marketing (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 2249 - BUSINESS DATA ANALYSIS I
  - A grade of C- or better in BUS 2249 is required to progress to BUS 3349
- BUS 3349 - BUSINESS DATA ANALYSIS II
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY

- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- FIN 3380 - MANAGERIAL FINANCE

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

Take one course from the following:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Marketing Concentration

Take five courses from the following:

- BUS 3260 - ENTREPRENEURSHIP
- BUS 3390 - SUPPLY CHAIN MANAGEMENT
- MGT 3325 - BUSINESS LEADERSHIP
- MKT 3332 - PROMOTION IN MARKETING
- MKT 3334 - MARKETING RESEARCH
- MKT 3370 - SALESMANSHIP
- MKT 4415 - MARKETING MANAGEMENT
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-TO-BUSINESS MARKETING
- MKT 4426 - E-MARKETING

Marketing Elective

Take one course from the following:

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

Total Credit Hours: 69 - 70

[Archived Catalog]

Chemical Technology, Associate of Science

Offered by the Department of Natural Sciences

The program is designed to prepare graduates with a natural science and mathematics skillset and knowledge base that integrates laboratory technical training and theory with computer and mathematics experiences to enable career progression in technical fields. The program will also provide opportunity, for those who so desire, to seamlessly continue to a four-year bachelor's degree in chemistry, in any one of its concentrations. This program will prepare students for occupations where they are responsible for process control in industrial or manufacturing plants where they may be assigned tasks, including data collection, quality control, field sampling, equipment operation, equipment installation and chemical preparation.

Program Objectives:

This program will prepare students for occupations where they are responsible for process control in industrial or manufacturing plants where they may be assigned tasks, including data collection, quality control, field sampling, equipment operation, equipment installation and chemical preparation.

Program Learning Outcomes: (currently assessed within department assessment protocols - content, skills and instrumentation

Student Learning Objectives:

1. Operate laboratory instruments, perform reliable scientific measurements;
2. Use chemical and technical language, design experiments, evaluate experimental design
3. Prepare samples for experiments
4. Document results of experiments
5. Analyze scientific data
6. Perform common chemical calculations

Program Requirements: Chemical Technology (A.S.): 61 s.h.

General Education requirements:

- CHM 1111 - GENERAL CHEMISTRY I
- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR
- MA 1165 - PRE-CALCULUS MATHEMATICS
- General Education Electives - Take 12 credits of approved General Education courses

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION

- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

Major requirements:

- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- MA 1125 - INTRODUCTORY STATISTICS
- MA 1135 - MATH APPLICATIONS IN INDUSTRY
- PHY 1191 - PHYSICS I

Total Credit Hours: 61

[Archived Catalog]

Chemistry, Bachelor of Science

Offered by the Department of Natural Sciences

Chemistry and Physics offers concentrations in biochemistry, forensic chemistry, physics, nanotechnology, and plant extraction that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. Minors in Chemistry and Forensic Science are available as further options.

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting it's nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

Our mission is to provide courses in the undergraduate curriculum that will: (i) provide content commensurate with course goals and objectives in chemistry, physics, and astronomy; (ii) allow students to use state-of-the-art instrumentation in investigating chemical principles; (iii) develop proper laboratory skills in the chemical and physical sciences; (iv) stress the scientific enterprise (i.e., method) as a means of acquiring knowledge; (v) engage students in their learning through discussion, collaboration, and experimentation; and (vi) require students to exercise critical thinking skills.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.

- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. **Participation by Mansfield University students depends on acceptance of students by the Penn State Nanofabrication Facility.** Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

The Physics concentration is designed for students who want a more fundamental physics and mathematically intensive study of the interaction of matter and energy than is provided in a traditional B.S. Chemistry degree. This academic path will provide students with knowledge that they can use for advanced study in astronomy, chemical engineering, material science, and other science disciplines. For those wanting to enter the workforce after graduating, this rigorous broad-based chemistry and physics program provides students with technical and critical thinking skills that they can utilize as bench scientists and laboratory technicians.

The B.S. degree in Chemistry with Plant Extract concentration recognizes the recent growth of the plant extraction industry for medicinal, cosmetic and flavorings industry. As a result, there is a niche for graduates who have an understanding of the theory and practice of extraction science. Students receive broad training in the traditional areas of chemistry with additional emphasis in the area of plant biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine of pharmacy. Career opportunities are available in medicine, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

Program Requirements: Chemistry (B.S.): 120 s.h.

All students with a concentration in Chemistry, Biochemistry, Nanotechnology, or Forensic Science must take the following core classes: (For the ACS-certified B.S. degree students are required to take CHM 3341 and 2-3 credits of research. Please talk to a faculty advisor for more information about the ACS-certified B.S. degree)

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Chemistry Concentration

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY
- MA 2233 - CALCULUS III

Take two courses from the following:

- CHM 3341 - BIOCHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4432 - STRUCTURAL CHEMISTRY

Total Credit Hours: 67

[Archived Catalog]

Chemistry, Biochemistry Concentration

Offered by the Department of Natural Sciences

Chemistry and Physics offers concentrations in biochemistry, forensic chemistry, physics, nanotechnology, and plant extraction that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. Minors in Chemistry and Forensic Science are available as further options.

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting it's nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

Our mission is to provide courses in the undergraduate curriculum that will: (i) provide content commensurate with course goals and objectives in chemistry, physics, and astronomy; (ii) allow students to use state-of-the-art instrumentation in investigating chemical principles; (iii) develop proper laboratory skills in the chemical and physical sciences; (iv) stress the scientific enterprise (i.e., method) as a means of acquiring knowledge; (v) engage students in their learning through discussion, collaboration, and experimentation; and (vi) require students to exercise critical thinking skills.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.

- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. **Participation by Mansfield University students depends on acceptance of students by the Penn State Nanofabrication Facility.** Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

The Physics concentration is designed for students who want a more fundamental physics and mathematically intensive study of the interaction of matter and energy than is provided in a traditional B.S. Chemistry degree. This academic path will provide students with knowledge that they can use for advanced study in astronomy, chemical engineering, material science, and other science disciplines. For those wanting to enter the workforce after graduating, this rigorous broad-based chemistry and physics program provides students with technical and critical thinking skills that they can utilize as bench scientists and laboratory technicians.

The B.S. degree in Chemistry with Plant Extract concentration recognizes the recent growth of the plant extraction industry for medicinal, cosmetic and flavorings industry. As a result, there is a niche for graduates who have an understanding of the theory and practice of extraction science. Students receive broad training in the traditional areas of chemistry with additional emphasis in the area of plant biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine of pharmacy. Career opportunities are available in medicine, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

Program Requirements: Chemistry, Biochemistry Concentration (B.S.): 120 s.h.

All students with a concentration in Chemistry, Biochemistry, Nanotechnology, or Forensic Science must take the following core classes: (For the ACS-certified B.S. degree students are required to take CHM 3341 and 2-3 credits of research. Please talk to a faculty advisor for more information about the ACS-certified B.S. degree)

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Biochemistry Concentration

- BI 3370 - CELL BIOLOGY
- CHM 3341 - BIOCHEMISTRY

Take two courses from the following:

- BI 3310 - PHYSIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY

Take one course from the following:

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

Take one course from the following:

- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY

Total Credit Hours: 67

[Archived Catalog]

Chemistry, Forensic Science Concentration

Offered by the Department of Natural Sciences

Chemistry and Physics offers concentrations in biochemistry, forensic chemistry, physics, nanotechnology, and plant extraction that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. Minors in Chemistry and Forensic Science are available as further options.

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting it's nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

Our mission is to provide courses in the undergraduate curriculum that will: (i) provide content commensurate with course goals and objectives in chemistry, physics, and astronomy; (ii) allow students to use state-of-the-art instrumentation in investigating chemical principles; (iii) develop proper laboratory skills in the chemical and physical sciences; (iv) stress the scientific enterprise (i.e., method) as a means of acquiring knowledge; (v) engage students in their learning through discussion, collaboration, and experimentation; and (vi) require students to exercise critical thinking skills.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.

- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. **Participation by Mansfield University students depends on acceptance of students by the Penn State Nanofabrication Facility.** Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

The Physics concentration is designed for students who want a more fundamental physics and mathematically intensive study of the interaction of matter and energy than is provided in a traditional B.S. Chemistry degree. This academic path will provide students with knowledge that they can use for advanced study in astronomy, chemical engineering, material science, and other science disciplines. For those wanting to enter the workforce after graduating, this rigorous broad-based chemistry and physics program provides students with technical and critical thinking skills that they can utilize as bench scientists and laboratory technicians.

The B.S. degree in Chemistry with Plant Extract concentration recognizes the recent growth of the plant extraction industry for medicinal, cosmetic and flavorings industry. As a result, there is a niche for graduates who have an understanding of the theory and practice of extraction science. Students receive broad training in the traditional areas of chemistry with additional emphasis in the area of plant biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine of pharmacy. Career opportunities are available in medicine, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

Program Requirements: Chemistry, Forensic Science Concentration (B.S.): 120 s.h.

All students with a concentration in Chemistry, Biochemistry, Nanotechnology, or Forensic Science must take the following core classes: (For the ACS-certified B.S. degree students are required to take CHM 3341 and 2-3 credits of research. Please talk to a faculty advisor for more information about the ACS-certified B.S. degree)

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Forensic Science Concentration

- CHM 3264 - CHEM MTDS FOREN SCI
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE
- SCI 1104 - FORENSIC SCIENCE

Take two courses from the following:

- BI 3370 - CELL BIOLOGY
- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

Total Credit Hours: 66

[Archived Catalog]

Chemistry, Nanotechnology Concentration

Chemistry and Physics offers concentrations in biochemistry, forensic chemistry, physics, nanotechnology, and plant extraction that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. Minors in Chemistry and Forensic Science are available as further options.

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting it's nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

Our mission is to provide courses in the undergraduate curriculum that will: (i) provide content commensurate with course goals and objectives in chemistry, physics, and astronomy; (ii) allow students to use state-of-the-art instrumentation in investigating chemical principles; (iii) develop proper laboratory skills in the chemical and physical sciences; (iv) stress the scientific enterprise (i.e., method) as a means of acquiring knowledge; (v) engage students in their learning through discussion, collaboration, and experimentation; and (vi) require students to exercise critical thinking skills.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.
- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.

- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. **Participation by Mansfield University students depends on acceptance of students by the Penn State Nanofabrication Facility.** Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

The Physics concentration is designed for students who want a more fundamental physics and mathematically intensive study of the interaction of matter and energy than is provided in a traditional B.S. Chemistry degree. This academic path will provide students with knowledge that they can use for advanced study in astronomy, chemical engineering, material science, and other science disciplines. For those wanting to enter the workforce after graduating, this rigorous broad-based chemistry and physics program provides students with technical and critical thinking skills that they can utilize as bench scientists and laboratory technicians.

The B.S. degree in Chemistry with Plant Extract concentration recognizes the recent growth of the plant extraction industry for medicinal, cosmetic and flavorings industry. As a result, there is a niche for graduates who have an understanding of the theory and practice of extraction science. Students receive broad training in the traditional areas of chemistry with additional emphasis in the area of plant biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine of pharmacy. Career opportunities are available in medicine, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

Program Requirements: Chemistry, Nanotechnology Concentration (B.S.): 120

s.h.

All students with a concentration in Chemistry, Biochemistry, Nanotechnology, or Forensic Science must take the following core classes: (For the ACS-certified B.S. degree students are required to take CHM 3341 and 2-3 credits of research. Please talk to a faculty advisor for more information about the ACS-certified B.S. degree)

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Nanotechnology Concentration

- SCI 3270 - NANOTECH LAB EXPERIENCE

Take one course from the following:

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

Total Credit Hours: 61 - 62

[Archived Catalog]

Chemistry, Physics Concentration

Offered by the Department of Natural Sciences

Chemistry and Physics offers concentrations in biochemistry, forensic chemistry, physics, nanotechnology, and plant extraction that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. Minors in Chemistry and Forensic Science are available as further options.

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting it's nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

Our mission is to provide courses in the undergraduate curriculum that will: (i) provide content commensurate with course goals and objectives in chemistry, physics, and astronomy; (ii) allow students to use state-of-the-art instrumentation in investigating chemical principles; (iii) develop proper laboratory skills in the chemical and physical sciences; (iv) stress the scientific enterprise (i.e., method) as a means of acquiring knowledge; (v) engage students in their learning through discussion, collaboration, and experimentation; and (vi) require students to exercise critical thinking skills.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.

- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. **Participation by Mansfield University students depends on acceptance of students by the Penn State Nanofabrication Facility.** Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

The Physics concentration is designed for students who want a more fundamental physics and mathematically intensive study of the interaction of matter and energy than is provided in a traditional B.S. Chemistry degree. This academic path will provide students with knowledge that they can use for advanced study in astronomy, chemical engineering, material science, and other science disciplines. For those wanting to enter the workforce after graduating, this rigorous broad-based chemistry and physics program provides students with technical and critical thinking skills that they can utilize as bench scientists and laboratory technicians.

The B.S. degree in Chemistry with Plant Extract concentration recognizes the recent growth of the plant extraction industry for medicinal, cosmetic and flavorings industry. As a result, there is a niche for graduates who have an understanding of the theory and practice of extraction science. Students receive broad training in the traditional areas of chemistry with additional emphasis in the area of plant biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine of pharmacy. Career opportunities are available in medicine, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

Program Requirements: Chemistry, Physics Concentration (B.S.): 120 s.h.

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Physics Concentration

- MA 2233 - CALCULUS III
- MA 3311 - DIFFERENTIAL EQUATIONS I
- PHY 3311 - MODERN PHYSICS I
- PHY 3312 - MODERN PHYSICS II
- PHY 3318 - THERMODYNAMICS

Take two courses from the following:

- PHY 3313 - PHYSICAL MECHANICS I
- PHY 3317 - PHYSICAL OPTICS
- PHY 3319 - INTRODUCTION TO SOLID STATE PHYSICS
- PHY 3321 - SELECTED TOPICS I
- PHY 4401 - ELECTRICITY AND MAGNETISM I
- PHY 4407 - INTRODUCTION TO QUANTUM MECHANICS
- PHY 4415 - PHYSICS RESEARCH I

Total Credit Hours: 68

[Archived Catalog]

Chemistry, Plant Extraction Chemistry Concentration

Offered by the Department of Natural Sciences

Chemistry and Physics offers concentrations in biochemistry, forensic chemistry, physics, nanotechnology, and plant extraction that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-recognized baccalaureate degree. Minors in Chemistry and Forensic Science are available as further options.

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting it's nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS.

Mission, Vision, and Values

Our mission is to provide courses in the undergraduate curriculum that will: (i) provide content commensurate with course goals and objectives in chemistry, physics, and astronomy; (ii) allow students to use state-of-the-art instrumentation in investigating chemical principles; (iii) develop proper laboratory skills in the chemical and physical sciences; (iv) stress the scientific enterprise (i.e., method) as a means of acquiring knowledge; (v) engage students in their learning through discussion, collaboration, and experimentation; and (vi) require students to exercise critical thinking skills.

In addition to the general support of the University, the Chemistry Program also provides an exceptional level of support to the Geography, Biology, and Health Science Programs.

Whether a course is being taken for General Education purposes or as part of a degree program, the Chemistry faculty at Mansfield University subscribes to the following:

Scholarship

The Mansfield University Chemistry Program is committed to teaching students to inquire into the molecular and physical world. We foster mastery of the foundational conceptual knowledge and computational skills of chemistry and physics. We cultivate the ability to identify, access, and interpret scientific information. We encourage students to create new scientific knowledge through the design, conduct, and interpretation of chemical and physical experiments. We develop student ability to disseminate ideas through the synthesis and clear communication of scientific information.

Service and Character

We promote student enthusiasm for public service, and we teach our students to observe the codes of professional conduct advocated by the American Chemical Society.

Program Goals

- Students will acquire knowledge of scientific information as it is applied to personal and social decisions.
- Students will exhibit skills in critical and analytical thinking.
- Students will exhibit skills in effective written and oral communication.

- Students will exhibit skills in inquiry and research.
- Students will exhibit skills in quantitative reasoning.
- Students will exhibit skills in problem solving.

Program Outcomes

- Each student will demonstrate appropriate levels of conceptual understanding of chemical concepts.
- Each student will demonstrate appropriate skill levels using scientific instrumentation.
- Each student will demonstrate appropriate levels of laboratory skills

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. **Participation by Mansfield University students depends on acceptance of students by the Penn State Nanofabrication Facility.** Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

The Physics concentration is designed for students who want a more fundamental physics and mathematically intensive study of the interaction of matter and energy than is provided in a traditional B.S. Chemistry degree. This academic path will provide students with knowledge that they can use for advanced study in astronomy, chemical engineering, material science, and other science disciplines. For those wanting to enter the workforce after graduating, this rigorous broad-based chemistry and physics program provides students with technical and critical thinking skills that they can utilize as bench scientists and laboratory technicians.

The B.S. degree in Chemistry with Plant Extract concentration recognizes the recent growth of the plant extraction industry for medicinal, cosmetic and flavorings industry. As a result, there is a niche for graduates who have an understanding of the theory and practice of extraction science. Students receive broad training in the traditional areas of chemistry with additional emphasis in the area of plant biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine of pharmacy. Career opportunities are available in medicine, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

Program Requirements: Chemistry, Plant Extraction Chemistry Concentration (B.S.): 120 s.h.

Core

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR (taken twice)
- MA 2231 - CALCULUS I

Plant Extraction Chemistry Concentration

- BI 1130 - BOTANY
- CHM 1105 - HOW DRUGS WORK
- CHM 3264 - CHEM MTDS FOREN SCI
- CHM 3341 - BIOCHEMISTRY
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- MA 1125 - INTRODUCTORY STATISTICS
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take one course from the following:

- BI 3333 - PLANTS AND PEOPLE
- BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN
- BSC 1103 - ENVIRONMENTAL BIOLOGY
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE

Total Credit Hours: 65

[Archived Catalog]

Communication, Electronic Media Concentration

Offered by the Department of Art, Communication, English and World Languages

The Department offers a major in Communication with four concentrations: Electronic Media, Public Relations, Sports Informatiion, and Organizational Communication.

The Electronic Media concentration prepares students for careers in electronic media writing, production and management, sales, on-air talent, audio recording, cable outlets, law, creating internet content, and advertising.

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have a 2.5 overall GPA and a 3.0 in the major to qualify. Additional experiences may be acquired through COM 2250/4450 Special Projects. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Learning Outcomes

Upon Completion of the program, students will be able to:

- Develop and improve critical thinking skills through the evaluation of diverse media texts.
- Demonstrate the acquisition of knowledge in the historical, theoretical and current operating principles of electronic media.
- Analyze and make decisions related to media ethical and moral dilemmas based on philosophical principles.

Program Requirements: Communication, Electronic Media Concentration (B.S.): 120 s.h.

- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA
- COM 2220 - ELECTRONIC MEDIA HISTORY
- COM 2230 - WRITING FOR ELECTRONIC MEDIA
- COM 3301 - INTRODUCTION TO VIDEO PRODUCTION
- COM 3304 - ADVANCED VIDEO PRODUCTION

Take one course from the following:

- COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT **OR**
- COM 3311 - ELECTRONIC MEDIA PROGRAMMING

- COM 3331 - MEDIA ETHICS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4407 - ELECTRONIC MEDIA WORKSHOP
- COM 4440 - COMMUNICATION LAW

Related Electives

- Take 18 credits from the BUS, CIS, COM, JN, MGT, or MKT prefixes

Total Credit Hours: 54

[Archived Catalog]

Communication, Organizational Communication Concentration

Offered by the Department of Art, Communication, English and World Languages

The Department offers a major in Communication with four concentrations: Electronic Media, Public Relations, Sports Information, and Organizational Communication.

The Organizational Communication concentration prepares students for a variety of careers that involve managing, recruiting, and writing. The Program offer an extensive background in huuman communication study in areas such as business and communication, interpersonal communication, and small group communication.

Graduates often seek employment in management, human services, retail, health care, counseling, law or continue to graduate school with the objective of seeking education-based careers.

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have a 2.5 overall GPA and a 3.0 in the major to qualify. Additional experiences may be acquired through COM 2250/4450 Special Projects. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Learning Outcomes

Upon completion of the program, students will be able to:

- Engage in effective communication in a professional setting.
- Apply communication theories to various communication situations.
- Demonstrate the use of communication technology.
- Assess interpersonal similarities and differences among various diverse populations.
- Design a targeted oral presentation.
- Describe the relationship between communication and conflict.
- Describe the relationship between communication and leadership.

Program Requirements: Communication, Organizational Communication Concentration (B.S.): 120 s.h.

Core

- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY

- COM 4485 - SMALL GROUP COMMUNICATION

Required

Group 1

- COM 3332 - INTERCULTURAL COMMUNICATION

or

- COM 3334 - GENDER AND COMMUNICATION

Group 2

- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA
- COM 2209 - COMMUNICATION IN THE DIGITAL AGE
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 2221 - INTERPERSONAL CONFLICT
- COM 3300 - DIGITAL COMMUNICATION IN PUBLIC RELATIONS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4401 - PERSUASION
- COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT

Related Electives

Take 15 credits from the following:
(6 credits must be at the Upper Division level)

- ART 3330 - DIGITAL PHOTOGRAPHY
- CIS 3303 - WEB SITE DESIGN
- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 3306 - NONVERBAL COMMUNICATION
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- COM 3332 - INTERCULTURAL COMMUNICATION *
- COM 3334 - GENDER AND COMMUNICATION *
- COM 3345 - THE DARK SIDE OF INTERPERSONAL COMMUNICATION
- COM 4410 - INTERNSHIP
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA
- MGT 2230 - MANAGEMENT PRINCIPLES
- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3319 - POSITIVE PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT

*when not selected above

Total Credit Hours: 54

[Archived Catalog]

Communication, Public Relations Concentration

Offered by the Department of Art, Communication, English and World Languages

The Department offers a major in Communication with four concentrations: Electronic Media, Public Relations, Sports Information, and Organizational Communication.

The Public Relations concentration prepares students for a career managing the communication between an organization and it publics. It provides students with a thorough understanding of how public relations functions within organizations. Students design and develop a variety of communication materials for specific audiences and gain experience by working with actual clients as they plan and implement a public relations campaign and event for a community organization.

A public relations graduate may secure employment as a PR Firm Executive, PR Director, Publicist, or Special Events Planner in various industries such as Corporate, Education, Entertainment, Music, Nonprofit, Political, and Sports. Other public relations positions may be in the area of Advertising, Crisis Management, Marketing, Media or Community Relations, and Social Media. The Public Relations concentration provides an academic background to prepare students to work in a multifaceted field.

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have a 2.5 overall GPA and a 3.0 in the major to qualify. Addition experiences may be acquired through COM 2250/4450 Special Projects. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Learning Outcomes

Upon Completion of the program, students will be able to:

- Explain an organization's public relations efforts and how the organization is portrayed in the media.
- Develop appropriate communication material to target specific audiences and media.
- Evaluate an organization's use of social media.
- Evaluate a public relations campaign that they've implemented for an organization.

Program Requirements: Communication, Public Relations Concentration (B.S.): 120 s.h.

- CIS 3303 - WEB SITE DESIGN
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 3300 - DIGITAL COMMUNICATION IN PUBLIC RELATIONS
- COM 3320 - PUBLIC RELATIONS WRITING

- COM 3322 - CASE STUDIES IN PUBLIC RELATIONS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4401 - PERSUASION
- COM 4420 - PUBLIC RELATIONS WORKSHOP
- COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT
- COM 4440 - COMMUNICATION LAW
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA

Take one course from the following:

- ART 3330 - DIGITAL PHOTOGRAPHY
- COM 3301 - INTRODUCTION TO VIDEO PRODUCTION
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA

Take one course from the following:

- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 2211 - PRINCIPLES OF ADVERTISING
- COM 3331 - MEDIA ETHICS
- JN 1100 - JOURNALISM
- MKT 3330 - MARKETING

Related Electives

• Take 9 credits from ART, BUS, COM, GRA, MGT, or MKT prefixes based on the student's professional goals and recommendations of the advisor.

Total Credit Hours: 57

[Archived Catalog]

Communication, Sports Information Concentration

Offered by the Department of Art, Communication, English and World Languages

The Department offers a major in Communication with four concentrations: Electronic Media, Public Relations, Sports Information, and Organizational Communication.

The Sports Information concentration prepares students to coordinate communication between athletic departments, student-athletes, and coaches as well as disseminate information to the news media and general public. Students take courses in public relations, electronic media, and organizational communication. Sports information professionals write a variety of communication material, produce video segments, coordinate interviews with the media, compile statistics, and update social media / digital communication. Students in the sports information concentration cannot pursue a dual concentration with public relations or electronic media.

Internship

Qualified students are encouraged to participate in the Department's successful internship program. The intern applicant must have a 2.5 over GPA and a 3.0 in the major to qualify. Additional experiences may be acquired through COM 2250/4450 Special Projects. Internships may be completed for 6-12 credits for the internship experience. A student may only complete one internship experience for credit.

Learning Outcomes

Upon Completion of the program, students will be able to:

- Explain an organization's public relations efforts and how the organization is portrayed in the media.
- Develop appropriate communication material to target specific audiences and media.
- Evaluate an organization's use of social media.
- Effectively disseminate information to organizations, media, and the public.

Program Requirements: Communication, Sports Information Concentration (B.S.): 120 s.h.

Core

- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4440 - COMMUNICATION LAW

Required

- CIS 3303 - WEB SITE DESIGN

- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 2214 - SPORTS AND THE MEDIA
- COM 3300 - DIGITAL COMMUNICATION IN PUBLIC RELATIONS
- COM 3301 - INTRODUCTION TO VIDEO PRODUCTION
- COM 3320 - PUBLIC RELATIONS WRITING
- COM 4410 - INTERNSHIP
- COM 4420 - PUBLIC RELATIONS WORKSHOP
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA
- HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY

Take one course from the following:

- COM 3303 - TELEVISION AND RADIO ANNOUNCING
- COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT

Take one course from the following:

- BUS 2249 - BUSINESS DATA ANALYSIS I
- COM 3304 - ADVANCED VIDEO PRODUCTION
- COM 4401 - PERSUASION
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA
- PSY 4415 - LABOR RELATIONS

Total Credit Hours: 54

[Archived Catalog]

Community Health Education, Bachelor of Science

Offered by the Department of Nursing and Allied Health Sciences

According to the Bureau of Labor Statistics, health education is a growing profession. Using Healthy People 2020 and the HESPA (Health Education Specialist's Practice Analysis) Competencies outlined by the NCHEC (National Commission for Health Education Credentialing) as a foundation for the curriculum, students learn about preventative health strategies and health promotion. This concentration is ideal for the student seeking a career that is not strongly science-based, but rather one that helps teach clients to live healthy lives. Health educators work in medical settings, colleges and universities, public health departments, nonprofit organizations, and private businesses. Upon completion of the curriculum, students will be eligible to take the Certified Health Education Specialist (CHES) exam if desired.

Program Objectives:

- Prepare graduates who will promote the health of individuals and communities in regional and national settings.
- Provide an environment that promotes excellence and professionalism, and a commitment to lifelong learning for students and faculty.

Program Learning Outcomes:

- Assess the need for health education for individuals, communities, and health professionals.
- Identify factors that promote or hamper learning by individuals, communities, and health professionals.
- Plan health promotion programs for health professionals and the public (individuals and communities) using evidence-based strategies.
- Implement health promotion programs for health professionals and the public (individuals and communities) using evidence-based strategies.
- Evaluate health promotion programs for health professionals and the public (individuals and communities) using evidence-based strategies.

Program Requirements: Community Health Education (B.S.): 120 s.h.

- CHE 1120 - INTRODUCTION TO GLOBAL COMMUNITY HEALTH EDUCATION
- CHE 3320 - INTRODUCTION TO EPIDEMIOLOGY
- CHE 4420 - CHE COMMUNITY ASSESSMENT AND PROGRAM PLANNING
- CHE 4430 - COMMUNITY HEALTH EDUCATION PROGRAM EVALUATION
- CHM 1105 - HOW DRUGS WORK
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- GEG 1122 - ENVIRONMENTAL ISSUES
- MA 1125 - INTRODUCTORY STATISTICS
- NTR 2211 - INTRODUCTION TO NUTRITION
- NTR 3314 - LIFE CYCLE NUTRITION
- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Take one course from the following:

- BSC 1104 - HUMAN BIOLOGY
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II

Take one course from the following:

- CHE 4433 - HEALTH PROMOTION
- CHE 4465 - RURAL HEALTH ISSUES

Take one course from the following:

- COM 4401 - PERSUASION
- COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT

Take one course from the following:

- HPE 3340 - FIRST AID and CPR
- HPE 3345 - WILDERNESS FIRST AID / CPR

Take one course from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT

Take one course from the following:

- REC 3700 - RECREATION MANAGEMENT IN PUBLIC AND PRIVATE SECTORS
- SWK 3330 - SOCIAL POLICY

Total Credit Hours: 58

[Archived Catalog]

Computer & Information Science, Bachelor of Science

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The Department of Business Administration, Mathematics, Computer Science, and Information Systems offers a baccalaureate degree with two concentrations, one in Computer Science and the other in Information Systems. Students may elect to complete either concentration, and have the option of completing both. Students completing the concentration in Information Systems often choose to do a minor or second major in Business Administration. These dual majors and major/minor strategies can be valuable assets when entering the job market.

Computer & Information Science Mission

The mission of Computer & Information Science (CIS) is to provide an outstanding education to its students in accordance with the principles of the Mansfield University mission, to advance scholarship in key domains of the computing and information sciences, and to engage in activities that improve the welfare of society and enhance the reputation of Mansfield University. CIS aims to maintain an environment that promotes innovative thinking, values mutual respect and diversity, encourages and supports scholarship, instills ethical behavior, and stimulates life-long learning.

Vision Statement

The vision of CIS is to become a recognized regional leader offering high-quality undergraduate programs in computing and information sciences to a large number of talented students at affordable tuition rates.

Core Values

The core values guiding CIS include the following:

- Commitment to high-quality undergraduate education and student success.
- Continuous program improvement through assessment of program educational objectives and student outcomes.
- Development of new initiatives and programs with changes in technology and global interdependence.
- Professional development of faculty members and scholarly contributions to the discipline, often with student participation.
- Seamless transfer of students through articulation agreements with 2-year community colleges.
- Building ties to K-12 groups, community colleges, and local industry.
- Participation in shared governance of departmental affairs.
- Service to the department, University, community, and discipline.

Computer Science Minor

The Computer Science minor provides a strong background in computation and programming for students majoring in a technical, scientific, or mathematical area. See also General Computing Minor and Information Systems minor.

Information Systems Minor

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

General Computing Minor

The General Computing minor provides a solid background in computing that is custom-tailored to the student's field of study. This minor is primarily intended for students in majors other than business, mathematics, and the sciences. See also Computer Science Minor and Information Systems Minor.

The following two concentrations are available in the B.S., Computer & Information Science Program:

Computer & Information Science, Computer Science Concentration

---

Offered by the Department of Mathematics and Computer Information Science
Professors H. Iseri (Interim Chairperson), Lienhard
Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye
Assistant Professors L. Iseri, Sim

The Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

Goals and Outcomes

Listed below are the Goals (Program Educational Objectives) and related Student Learning Outcomes (Program Outcomes) for the program leading to the B.S., Computer & Information Science degree with the Computer Science concentration.

1. To provide graduate with a thorough comprehension of the key principles of computing and the application of those principles.

Related Program Outcomes

1-1. Students will demonstrate understanding and apply knowledge of computer organization and architecture.
1-2. Students will demonstrate proficiency in programming using a high-level language.
1-3. Students will demonstrate understanding of data structures and algorithms.
1-4. Students will demonstrate knowledge of several programming language paradigms.
1-5. Students will demonstrate understanding of foundational programming language concepts.
1-6. Students will demonstrate an awareness of the dynamic nature of the foundational core of computer science and recognize the need for continuing professional development.
1-7. Students will apply principles and practices for software development, including problem analysis, software design, and development using current industry-standard programming languages and tools.
1-8. Students will employ these principles in solving both simple and complex computing problems.

2. To provide graduates with an appropriate augmenting framework of applicable knowledge and skills from the mathematical, scientific, and communication disciplines.

Related Program Outcomes

2-1. Students will understand and apply the concepts of statistics, discrete mathematics, and continuous mathematics.
2-2. Students will understand and apply the scientific method.
2-3. Students will demonstrate an ability to communicate effectively, both orally and in written form, with a range of audiences.
2-4. Students will function effectively on teams in order to complete computing projects.
2-5. Students will demonstrate the ability to manage a significant project.

3. To develop the total person, one with intellectual curiosity, mature judgment, and a commitment to the betterment of society.

Related Program Outcomes

3-1. Students will demonstrate familiarity with basic ideas and contemporary issues in the social sciences and humanities.

3-2. Students will demonstrate knowledge of the social impact of computing.

3-3. Students will demonstrate knowledge of ethical issues emerging out of computing.

4. To prepare students for a successful career in computing and related fields.

Related Program Outcomes

4-1. Students will be prepared for self-directed continuing professional development in the computing field.

4-2. Students will demonstrate the knowledge and capabilities necessary for pursuing a professional career in computing and related fields

Program Requirements: Computer & Information Science, Computer Science Concentration (B.S.): 120 s.h

Group 1

- CIS 1000 - ORIENTATION TO CIS
- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I
- CIS 3300 - PRINCIPLES OF PROGRAMMING LANGUAGES
- CIS 3303 - WEB SITE DESIGN
- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- CIS 3315 - DATA STRUCTURES
- CIS 3330 - COMPUTER ORGANIZATION
- CIS 3340 - DATABASE SYSTEMS
- CIS 3350 - ANALYSIS OF ALGORITHMS
- CIS 3390 - NETWORKING 1
- CIS 4460 - SYSTEMS ANALYSIS AND DESIGN
- CIS 4470 - SYSTEM IMPLEMENTATION & PROJECT MANAGEMENT

Group 2

Computer and Information Science Electives

- Take six (6) credits of Upper Division (2800 and above) courses from the CIS prefix

Group 3

Mathematics requirements

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 3260 - DISCRETE STRUCTURES
- MA 3310 - NUMERICAL ANALYSIS
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Total Credit Hours: 62

Computer & Information Science, Information Systems Concentration

Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (Interim chairperson), Lienhard

Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye

Assistant Professors L. Iseri, Sim

The B.S. Information Systems Concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

Listed below are the Goals (Program Educational Objectives) and related Student Learning Outcomes (Program Outcomes) for the program leading to the B.S. degree in Computer and Information Science, Information Systems Concentration.

1. To provide graduate with a thorough comprehension of the key principles of information systems and the application of those principles.

Related Program Outcomes

1-1. Students will demonstrate understanding and apply knowledge of computer organization and architecture.
1-2. Students will demonstrate proficiency in programming using a high-level language.
1-3. Students will demonstrate understanding of data structures.
1-4. Students will demonstrate understanding of the process that support the delivery and management of information systems.
1-5. Students will demonstrate understanding of networking and data communications.
1-6. Students will demonstrate an awareness of the dynamic nature of the information systems field and recognize the need for continuing professional development.
1-7. Students will apply principles and practices for systems analysis and design to a major project.
1-8. Students will employ these principles in solving both simple and complex computing problems.

2. To provide graduates with an appropriate augmenting framework of applicable knowledge and skills from the mathematical, business, and communication disciplines.

Related Program Outcomes

2-1. Students will understand and apply the concepts of statistics, discrete mathematics, and continuous mathematics.
2-2. Students will demonstrate familiarity with and apply fundamental business and accounting principles.
2-3. Students will demonstrate an ability to communicate effectively, both orally and in written form, with a range of audiences.
2-4. Students will function effectively on teams to complete computing projects.
2-5. Students will demonstrate the ability to manage a significant project.

3. To develop the total person, one with intellectual curiosity, mature judgment, and a commitment to the betterment of society.

Related Program Outcomes

3-1. Students will demonstrate familiarity with basic ideas and contemporary issues in the social sciences and humanities.
3-2. Students will demonstrate knowledge of the social impact of computing.
3-3. Students will demonstrate knowledge of ethical issues emerging out of computing.

4. To prepare students for a successful career in information systems and related fields.

Related Program Outcomes

4-1. Students will be prepared for self-directed continuing professional development in the information systems field.
4-2. Students will demonstrate the knowledge and capabilities necessary for pursuing a professional career in information systems and related fields.

Program Requirements: Computer & Information Science, Information Systems Concentration (B.S.): 120

- ACC 1110 - PRINCIPLES OF ACCOUNTING I

Take one course from the following:

- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

Take one course from the following:

- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- MGT 2230 - MANAGEMENT PRINCIPLES

- CIS 1000 - ORIENTATION TO CIS
- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I
- CIS 3303 - WEB SITE DESIGN
- CIS 3305 - COMPUTER SECURITY AND ETHICS
- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 3315 - DATA STRUCTURES
- CIS 3340 - DATABASE SYSTEMS
- CIS 3390 - NETWORKING 1
- CIS 4309 - E-COMMERCE SYSTEMS
- CIS 4460 - SYSTEMS ANALYSIS AND DESIGN
- CIS 4470 - SYSTEM IMPLEMENTATION & PROJECT MANAGEMENT

Major Related Electives

• Take six (6) credits of 2000 - 4000 level courses from the CIS prefix

Take one course from the following:

- MA 1125 - INTRODUCTORY STATISTICS
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Take one course from the following:

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

Total Credit Hours: 60 - 61

[Archived Catalog]

Computer Information Systems, Associate of Science

Offered by the Department of Business Administration, Mathematics, Computer Sciences, and Information Systems

AS Computer & Information Science, Computer Information Technology

The A.S. Computer Information Technology program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

Listed below are the Goals (Program Educational Objectives) and related Student Learning Outcomes (Program Outcomes) for the program leading to the A.S. degree in Computer Information Technology.

1. To provide graduates with a thorough introduction to the key principles of the information systems and the application of those principles.

Related Program Outcomes

1-1. Students will demonstrate proficiency in programming using a high-level language.
1-2. Students will demonstrate understanding of data structures.
1-3. Students will demonstrate an awareness of the dynamic nature of the information systems field and recognize the need for continuing professional development.

2. To provide graduates with an appropriate augmenting framework of applicable knowledge and skills from the business, mathematical, and communication disciplines.

Related Program Outcomes

2-1. Students will understand and apply the concepts of introductory statistics.
2-2. Students will demonstrate familiarity with and apply fundamental business and accounting principles.
2-3. Students will demonstrate an ability to communicate effectively, both orally and in written form, with a range of audiences.

3. To develop the total person, one with intellectual curiosity, mature judgment, and a commitment to the betterment of society.

Related Program Outcomes

3-1. Students will demonstrate familiarity with basic ideas and contemporary issues in the social sciences and humanities.
3-2. Students will demonstrate knowledge of the social impact of computing.
3-3. Students will demonstrate knowledge of ethical issues emerging out of computing.

4. To prepare students for successful transfer to four-year programs in Information Systems and entry-level employment in computer technology-related positions.

Related Program Outcomes

4-1. Students will be prepared for continued undergraduate study in information systems.
4-2. Students will demonstrate the knowledge and capabilities necessary for pursuing a computing-related entry-level position.

Program Requirements: Computer Information Systems (A.S.): 60 s.h.

General Education requirements:

- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR
- MA 1125 - INTRODUCTORY STATISTICS

  - 3 credits Humanities or Natural and Physical Sciences
  - 3 credits Global Perspectives (Language other than English or Western and Non-Western Global Cultures)
  - 3 credits Themes (Ethics and Civic Responsibility; Environmental, Economic, Social, and Personal Sustainability; and / or Arts and the Human Experience)

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

Take one course from the following:

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

Major requirements:

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- CIS 1000 - ORIENTATION TO CIS
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN
- CIS 3305 - COMPUTER SECURITY AND ETHICS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

Computer Information Systems Electives

- Take 6 credits of Upper Division (3000 or 4000 level) courses from the CIS prefix

Take one course from the following:

- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- MGT 2230 - MANAGEMENT PRINCIPLES

5 credits Free Electives

Total Credit Hours: 60

[Archived Catalog]

Criminal Justice Administration, Associate of Science

Offered by the Department of Behavioral and Social Sciences

In addition to the B.S. in Criminal Justice Administration (CJA), MU offers an Associate of Science degree (A.S.) in CJA through two tracks: CJA on-campus (CJA) and CJA Online (CJAO). Students enrolled in the CJAO track may complete their program entirely online. The study of criminal justice administration at Mansfield University provides a systems-based understanding of all the core areas of criminal justice - law enforcement, courts, corrections (including probation and parole), juvenile justice, and criminology. Students enrolled in the CJA track may enroll in the courses offered on-campus or online, if available.

The A.S.CJA students are eligible to join criminal justice organizations and the national honor society, participate in criminal justice tours, and attend special presentations. Many two-year students develop the academic skills and perseverance to transfer to the baccalaureate program and graduate with no loss of credits.

Mission

Building on our strengths and experiences as one of the oldest academic criminal justice programs in the nation, MU CJA embraces active learning and experiential education to teach our diverse population of students how to critically evaluate the criminal justice system, to prepare or advance them as ethical professionals in that system, and to prepare them for advanced education in graduate and/or law school.

Vision

MU CJA is a true community of learners…actively and closely engaged with each other…toward a better world.

Program Outcomes

A CJA student completing an A.S. degree at Mansfield University will be able to:

- Identify the principles, operations, and roles of the police, courts, corrections, and citizens within the criminal justice system.
- Develop the critical thinking, ethical decision-making, problem-solving, and communication skills necessary for working with diverse populations.
- Address social inequities within the criminal justice system.

Program Requirements: Criminal Justice Administration (A.S.): 60 s.h.

General Education requirements:

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING

- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR

  - 3 credits Humanities
  - 3 credits Mathematics
  - 9 credits Social Science
    - PSC course
    - PSY course
    - SOC course

  Take one course from the following:

- HPE 1200 - PERSONAL and COMMUNITY HEALTH
- HPE 3340 - FIRST AID and CPR
- HPE 3345 - WILDERNESS FIRST AID / CPR
- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE

Major requirements:

- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS

Criminal Justice Administration Electives

- Take 12 credits from the CJA prefix

12 credits Free Electives

Total Credit Hours: 60

[Archived Catalog]

Criminal Justice Administration, Bachelor of Science

Offered by the Department of Behavioral and Social Sciences

The Criminal Justice Administration Program (CJA) offers the B.S. and A.S degrees in Criminal Justice Administration. A minor in criminal justice is also available. The study of criminal justice administration at Mansfield University provides a systems-based understanding of all the core areas of criminal justice - law enforcement, courts, corrections (including probation and parole), juvenile justice, and criminology.

There are several opportunities for students to become engaged in career interests during their undergraduate education, allowing students to decide what opportunities they want to explore and pursue. Students may join any or all of the following student organizations: (1) Lambda Alpha Epsilon, the American Criminal Justice Association, (2) Alpha Phi Sigma, the National Criminal Justice Honor Society (a member of the Association of College Honor Societies and recognized by the Academy of Criminal Justice Sciences) and (3) the Criminal Justice Club. Our graduates are currently working at the local, state, federal and private levels in virtually every field in criminal justice.

Mission
Building on our strengths and experiences as one of the oldest academic criminal justice programs in the nation, MU CJA embraces active learning and experiential education to teach our diverse population of students how to critically evaluate the criminal justice system, to prepare or advance them as ethical professionals in that system, and to prepare them for advanced education in graduate and/or law school.

Vision
MU CJA is a true community of learners…actively and closely engaged with each other…toward a better world.

Program Objectives

- Develop and improve methods to provide CJA program exposure on-and off-campus.
- Develop and improve methods of increasing student retention.

Program Outcomes

A student completing the BS or AS degree in Criminal Justice Administration will be able to:

- Identify the principles, operations, and roles of the police, courts, corrections, and citizens within the criminal justice system.
- Critique the criminological theories of, and systemic responses to, offending & victimization.
- Develop the critical thinking, ethical decision-making, problem-solving, and communication skills necessary for working with diverse populations.
- Evaluate criminological research and policy using appropriate methodological, statistical, and reporting procedures.
- Address social inequities within the criminal justice system.

Program Requirements: Criminal Justice Administration (B.S.): 120 s.h.

- Take one course from the PSC prefix (3 credits)
- Take one course from the PSY prefix (3 credits)

- Take one course from the SOC prefix (3 credits)

- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS
- CJA 2220 - CRIMINAL JUSTICE RESEARCH METHODS AND STATISTICS
- CJA 2225 - INTRODUCTION TO CRIMINOLOGY
- CJA 3354 - CRIMINAL LAW
- CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE
- CJA 3365 - CRIMINAL JUSTICE POLICY
- CJA 4425 - CRIMINAL JUSTICE ETHICS
- CJA 4490 - SENIOR SEMINAR

Criminal Justice Administration Electives

- Take 21 credits from the CJA prefix

Total Credit Hours: 60

[Archived Catalog]

Early Childhood and Elementary Education, Bachelor of Science in Education

---

Offered by the Department of History, Education, Philosophy, Political Science, and Sociology

ECEE Program:
Mission, Values, Vision, and Learning Outcomes
Spring 2020

The Teacher Education and Special Education Department offers a Bachelor of Science degree in Early Childhood and Elementary Education (PreK-Grade 4), Professional Studies in English Language Arts, Earth and Space Science, Social Studies, and Math Education (Grades 9-12), and Special Education as a single certification or a dual certification (PreK-12). Students in the teacher education program will make reflective decisions that are grounded in accepted theory, research, and practice that will prepare students to adapt instruction to individual students and to the changing conditions within schools and society. Graduates of the Teacher Education and Special Education department will be prepared and ready to serve the region, the Commonwealth, and the nation as effective educators.

ECEE Program

Mission: The mission of the Bachelor of Science in Education in Early Childhood and Elementary Education is to prepare beginning teachers who will enter their classrooms with passion and vitality, equipped with knowledge, skills, and dispositions that will impact student achievement positively and with the ability to make sound decisions that will enhance their students' well-being and enrich their own lives.

Values: The Early Childhood and Elementary Education undergraduate teacher education program at Mansfield University advance the theme, "Teacher as Reflective Decision Maker." They derive from a knowledge based on the conceptual framework based on Danielson's Four Domains of Effective Teaching: Planning and Preparation, The Classroom Environment, Instruction, and Professional Responsibilities. Candidates are prepared to teach in accordance with the professional standards of the Pennsylvania Department of Education (PDE), National Association for the Education of Young Children (NAEYC), and the Council for Exceptional Children (CEC).

In addition, the Early Childhood and Elementary Education Program places an emphasis on the following:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others, and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty, and advocacy through character education.Courage, integrity, and honor exemplify our core values. As the art of teaching demands honesty and integrity, so too will we expect our department to promote and encourage these values in all we do.
2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in education and the concentration areas. We will embrace the use of rigorous, responsible, and critical inquiry to understand, acquire, and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, content knowledge, and scholarship.
3. We will enhance culture. We will serve and lead the region and beyond in promoting global diversity and cultural awareness. We will accomplish this mission by working collaboratively across disciplines. Through open discourse, we will create meaningful experiences that compel us towards deeper understanding on the inter-connectedness of the disciplines.
4. We will advocate service. Knowledge invests us with the power and responsibility to improve our world, and to act as advocates and

agents of positive change. We will be engaged with our community. Our students, faculty, and staff will partake in volunteerism and service activities as a natural outgrowth of the University mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of teaching and the disciplines in the enrichment of the human spirit and knowledge of the influences that affect the world.

Vision: Mansfield University with an Early Childhood and Elementary Education degree will recognize that initial certification provides the credentials and experience to begin teaching and that they will continue to seek opportunities for professional growth, including content expertise, knowledge of children, a growing awareness of global influences and opportunities, and a commitment to keeping their teaching dynamic, passionate, and effective.

The program features relevant experiences throughout the program in a variety of settings, culminating in student teaching. Students also complete an extended pre-student teaching school experience. Graduates of the concentration may pursue teaching or director positions in early childhood preschools and teaching positions in elementary schools from preschool through grade four.

Program Outcomes (SLOs):

A student completing the BSEd in Early Childhood and Elementary Education will be able to:

- **Program SLO 1:** demonstrate an understanding of child development, family systems, and professional collaborations;
- **Program SLO 2:** design, implement, and evaluate productive learning experiences that promote positive development and learning for PreK-4 students;
- **Program SLO 3:** effectively use various systematic assessment processes and strategies for the early childhood/elementary classroom setting;
- **Program SLO 4:** make appropriate accommodations and adaptations for students with disabilities and ELL students in an inclusive setting;
- **Program SLO 5:** display ethically responsible dispositions in accordance with Pennsylvania's Code of Professional Practice and Conduct for Educators, the NAEYC Code of Ethical Conduct, and the Mansfield University Dispositions Policy

Early Childhood and Elementary Education

Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "University Policies."

The Early Childhood and Elementary Education concentration leads to recommendation to the Commonwealth of Pennsylvania for Early Childhood teaching certification Pre-K-4 beginning with candidates who earn Pennsylvania teaching certification in August 2013 and beyond. The curriculum is based on the early childhood standards of the professional organization National Association for Education of Young Children (NAEYC) and early childhood competencies Pre-K-4 developed by PDE.

The Early Childhood and Elementary Education concentration features a foundation in child development and learning, extensive preparation in content subject matter and teaching methodology, and uses of observation and student assessment to guide instructional decision-making. Additional emphases include establishing cooperative relationships with families and community resources and developing the important knowledge, skills, and dispositions that are required of early childhood and elementary education professionals. The curriculum prepares graduates to meet the learning needs of all students and to be successful in diverse modern classrooms. Students also learn to adapt and plan instruction that is based on developmentally appropriate practices and to make effective uses of technology to aid teaching and learning.

The Early Childhood and Elementary Education Concentration features school experiences throughout all four years and in a wide variety of classroom settings, culminating in student teaching. Graduates of the concentration may pursue teaching or director positions in early childhood preschools and teaching positions in elementary schools from preschool through grade four.

Program Student Learning Outcomes*:

1. Developmental Approach to Curriculum Planning

Candidates will demonstrate an understanding of the needs, characteristics, and influences that contribute to the developmental needs of young children in the following areas: social, emotional, physical, language and cognition.

2. Relationships/Collaboration

Candidates will demonstrate the ability to support family relationships and to involve family and community in the child's development.

3. Assessment

Candidates will demonstrate appropriate uses of assessment by identifying goals, benefits, and partnerships and use assessment results to evaluate student learning and to guide program improvement.

4. Instructional Planning and Implementation

Candidates will demonstrate the ability to develop and implement curriculum goals by planning and using developmentally, culturally, and linguistically appropriate instructional practices.

5. Professional and Ethical Leadership Practice

Candidates will demonstrate and understand an application of ethical and professional behaviors. Candidates will demonstrate leadership, advocacy, decision-making and management abilities.

6. NAEYC/CEC Knowledge of Education and Special Education Foundations

Candidates will demonstrate knowledge of evidence based principles and theories in Education and Special Education (foundations, laws and policy, historical influences, diversity issues, prevention and early intervention).

7. NAEYC/CEC Adapting Instruction Base on Student Cognitive and Development Levels

Candidates will demonstrate knowledge of cognition and development of students with disabilities and to adapt instruction to address individual strengths and needs.

8. ** **Using Measurement Principles in Special Education**

Candidates will demonstrate knowledge and skills in identifying, administering, interpreting and planning instruction based on assessment methods, guided by the legal policies and ethical principles of measurement and assessment used for special education.

9. ** **Differentiated Instructional Planning**

Candidates will demonstrate knowledge and skills in specially designed instruction in academic and nonacademic areas for all service settings through the use of differentiated instruction.

10. NAEYC/CEC Attention to Student Environmental Needs

Candidates will demonstrate knowledge and skills to create a safe and healthful indoor and outdoor environment, which fosters an appreciation of diversity, promotion of emotional well being, and encouragement of positive social interactions.

*These outcomes are based on national standards from the Council for Exceptional Children and the National Association for the Education of Young Children.

** These outcomes only apply to students who are seeking special education certification.

Program Requirements: Early Childhood and Elementary Education (B.S.Ed.): 120 s.h.

To fulfill requirements for Early Childhood/Elementary Education B.S.Ed., the following courses must be taken from the General Education offerings:

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 2232 - AMERICAN FAMILY SYSTEMS

- **English Literature (3 credit hours)**
- **Foreign Language (six credit hours).** Students are required to take two consecutive foreign language courses of the same language. The second course must be at a higher level.
- **Mathematics (3 credit hours)**
- See also the catalog section entitled “University Policies” for Chapter 354 Gate requirements.

Pre-Gate One

- ED 1102 - INTRODUCTION TO EDUCATION
- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS
- ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS
- ELE 2260 - ASSESSMENT IN EDUCATION
- ELE 2800 - EARLY CHILDHOOD INTEGRATED CURRICULUM and METHODS
  - Mathematics (3 credit hours)
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- SPE 2290 - CULTURAL AND LINGUISTIC DIVERSITY
- SPE 2350 - SUPPORTING STUDENTS WITH DISABILITIES IN INCLUSIVE SETTINGS

After Gate One Eligibility Met

- ELE 3383 - LITERACY METHODS I: PRE-K-1
- ELE 3386 - SOCIAL STUDIES METHODS FOR THE DEVELOPING CHILD
- ELE 3387 - SCIENCE AND TECHNOLOGY METHODS
- ELE 3388 - MATHEMATICS METHODS I: GRADES PRE K-1
- ELE 3395 - INTEGRATING THE ARTS FOR THE DEVELOPING CHILD
- ELE 4403 - (W)LANGUAGE ARTS METHODS FOR THE DEVELOPING CHILD
- ELE 4426 - MATHEMATICS METHODS II: GRADES 2-4
- ELE 4435 - LITERACY METHODS II
- SPE 3351 - BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION

Extended Field Experience Courses

- ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- ELE 4400 - STUDENT TEACHING
- ELE 4400L - (W)SENIOR LAB: BECOMING A PROFESSIONAL

Total Credit Hours: 75

[Archived Catalog]

English, Bachelor of Arts

Offered by the Department of Art, Communication, English and World Languages

Depending on the concentration choice, the English major provides students with a strong grounding in literary studies, or professional writing with an emphasis on developing excellent analytical, critical thinking, writing, and research skills. Students pursuing the B.A. in English choose from two concentrations: Literary and Cultural Analysis or Professional Writing. Both concentrations offer students extensive exposure to the various forms of literary expression, methods of literary interpretation, and intensive attention to thinking and writing for specific contexts. A background in the analysis and interpretation of literature, coupled with strong research and writing skills, provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in writing, editing, the law, public relations, communications, politics and government, industry, and library science. Students in the B.A. English/Literary and Cultural Analysis concentration develop strong research and writing skills while mastering the techniques of textual analysis and interpretation. They receive training in literary analysis and are offered a broad background in the history of English and American literature and language. In addition, students study selected authors of diverse ethnic and cultural backgrounds and employ various critical methods when interpreting texts. This concentration is designed to afford students extensive exposure to various forms of literary expression and the methods of literary interpretation. Students in the B.A. English/Professional Writing concentration learn to write for professional contexts, including business writing, technical writing, editing, writing for the Web and social media, and creative writing. With its strong career orientation, this concentration is designed to prepare students for careers in a variety of professional fields. Students pursuing the English curriculum in both concentrations receive training in literary analysis and gain a broad understanding of literature from a diverse set of cultures written in a variety of genres. In addition, students learn to situate works in their literary historical and cultural contexts, and to employ various critical methods when interpreting texts.

Mission

The English Program of the Department of English and World Languages provides students with the opportunity to study and develop life-long interest in the appreciation of literary works from a variety of cultures and with the opportunity to develop their skills as writers in a variety of genres. Acquisition of skills in writing coupled with the knowledge of literary critical methods and our literary heritage gives students a keener insight into human life and society, a principle goal of a liberal arts education. Understanding the form of expression in literature is essential to a full realization of our hopes, values, and convictions. As liberally educated persons, we seek not only to perfect our powers for intellectual thought, but also to refine our powers of perception, to encourage creativity, and to foster an appreciation of the aesthetic dimensions of life and culture so that we come to recognize the significant imaginative expressions of the human spirit.

Program Goals

1. English graduates will demonstrate that they understand and can employ the techniques of textual analysis and interpretation.
2. English graduates will demonstrate that they understand and can employ humanities-based research methods.
3. English graduates will demonstrate that they can write clearly and effectively.

Program Objectives

Students will be taught to

1. Critically analyze texts;
2. Contextualize literature and language;
3. Write research papers of varying lengths;
4. Understand and apply the writing process;
5. Recognize and apply English writing conventions;
6. Plan and produce professional documents. (Professional Writing Track).

Program Outcomes

Students who complete the English major will demonstrate the ...

1. Ability to analyze and interpret texts critically and convincingly.
2. Ability to situate literature and language in various contexts, including literary, cultural, and historical.
3. Ability to conduct research effectively and document sources appropriately.
4. Ability to understand writing as a process, to assess rhetorical contexts, and to revise written work effectively.
5. Ability to write clearly and purposefully, with attention to the grammar, mechanics, and other conventions of the English language.
6. Ability to write effectively for specific professional contexts. (Professional Writing Track)

Policies and Procedures

English and World Languages also offers minor programs in Creative Writing, English Literature, Professional Writing, and Women's Studies. Students may wish to complete a minor to complement their course of study.

In planning a course of study, English majors must consult with their English faculty advisor on a regular basis. English B.A. students will compile a portfolio of their written work to serve as evidence of their progress through the English curriculum and for the purpose of program assessment. The portfolios consist of the following:

1. The final essay from ENG 2130: Introduction to Literary Studies
2. The original version and a substantial revision of an essay written in an upper-division English course (excluding the final essay ENG 4401) to be completed as required in ENG 3333: Advanced Writing for English Majors
3. The final research essay from ENG 4401: Seminar in Literary Studies

Students will submit their portfolio essays electronically to the department chair. The English Program Assessment Committee reviews completed portfolios annually to assess the effectiveness of the English degree program.

For more information on the English program, go to http://www.mansfield.edu/english

Program Requirements: English Major, (B.A.): 120 s.h.

- ENG 2130 - INTRODUCTION TO LITERARY STUDIES
- ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS
- ENG 3371 - PROFESSIONAL WRITING
- ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM
- ENG 4401 - SEMINAR IN LITERARY STUDIES

Literature and Culture
Take two courses from the following:

- ENG 3346 - AMERICAN LITERATURE AND CULTURE
- ENG 3347 - BRITISH LITERATURE AND CULTURE
- ENG 3348 - WORLD LITERATURE AND CULTURE

Literary and Cultural Analysis

Survey of Literature

- ENG 2268 - SURVEY OF BRITISH LITERATURE
- ENG 2278 - SURVEY OF AMERICAN LITERATURE

Diversity

Take one course from the following:

- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LGBTQ LITERATURE

Upper Division French, German, or Spanish Literature course

Genre or Author

Take one course from the following:

- ENG 3376 - GENRE IN CONTEXT
- ENG 3385 - AUTHOR IN CONTEXT

English Electives

Take 6 credits of Upper Division ENG courses, or ENG 2225 or ENG 2226

- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE

Professional Writing

- ENG 3400 - COPY EDITING
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA
    - Take one Upper Division English Literature course

Take three courses from the following:

- CIS 3303 - WEB SITE DESIGN
- COM 3300 - DIGITAL COMMUNICATION IN PUBLIC RELATIONS
- COM 3320 - PUBLIC RELATIONS WRITING
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- ENG 2225 - ENGLISH GRAMMAR
- ENG 3252 - ADVANCED POETRY WRITING
- ENG 3254 - ADVANCED FICTION WRITING
- ENG 3316 - CREATIVE NONFICTION WRITING
- ENG 3332 - NATURE WRITING
- ENG 4416 - NOVEL WRITING
- ENG 4449 - ENGLISH PRACTICUM

- ENG 4495 - ENGLISH INTERNSHIP
- JN 1100 - JOURNALISM
- JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING
- JN 3320 - MAGAZINE WRITING AND PRODUCTION
- JN 3340 - ONLINE JOURNALISM
- MKT 3330 - MARKETING
- MKT 4426 - E-MARKETING
- PHL 3260 - PROFESSIONAL ETHICS

Total Credit Hours: 39

[Archived Catalog]

Environmental Technology, Associate of Applied Science

Offered by the Department of Natural Sciences

Students in the Environmental Technology program will master common environmental procedures such as sampling, assessment, design, determining results, recording and analysis. The students will gain valuable knowledge through experiential learning and environmental problem solving in both the lab and the field. The program will also provide an opportunity, for those who so desire, to seamlessly continue to a four-year bachelor's degree in Geosciences or Safety Management. The student is also strongly encouraged to complete OSHA, HAZWOPER, and/or PEC Safeland Training before graduation.

Program Objectives

The program is designed to prepare students for jobs in the high-demand career paths of Environmental Technology with government, consulting firms and private industries. The applied skill sets and knowledge that form the core of this degree program also provide important components for broader academic exploration and intellectual growth in quantitative skills, communication, leadership, and an understanding of the natural world. The degree stresses the importance of clear communication and teamwork in planning and developing solutions to complex problems. Students also gain firsthand knowledge of issues that are driving social, economic, and environmental changes in locally, regionally and globally.

Program Learning Outcomes

Students will:

- Analyze and interpret data for problem solving.
- Communicate effectively while working on a team.
- Demonstrate a commitment to quality, timeliness, professional development and recognize the need for and engage in lifelong learning.
    - Environmental Technician Concentration
        - Apply skills of the discipline to activities including, but not limited to: hydrology, water treatment, pollution prevention and treatment, and sustainable design.
        - Conduct standard field and laboratory testing.
        - Work professionally in the area of environmental systems while understanding professional and ethical responsibility.
    - Safety Management Concentration
        - Lead others in promoting safe work sites.
        - Describe the roles and responsibilities of professional safety managers.
        - Identify and apply the relevant laws, standards, and regulations that affect personal and environmental safety.
        - Communicate effectively regarding safety in various settings.

Program Requirements: Environmental Technology (A.A.S.): 60 s.h.

General Education requirements:

- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR
- GEL 1125 - PHYSICAL GEOLOGY
- HPE 3340 - FIRST AID and CPR
- Take 3 credits of Mathematics (MA 1128 or higher)

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

Take one course from the following:

- PHL 3260 - PROFESSIONAL ETHICS
- PHL 3316 - ENVIRONMENTAL ETHICS
- SOC 3342 - ENVIRONMENTAL SOCIOLOGY

Major requirements:

Professional Sequence

- GEG 1122 - ENVIRONMENTAL ISSUES
- GEL 3325 - GROUNDWATER HYDROLOGY
- GEOS 1625 - SURFACE HYDROLOGY
- GEOS 2880 - ENVIRONMENTAL IMPACT ASSESSMENT
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- SFM 1800 - JOB SITE SAFETY

Capstone Experience

Take 3 - 12 credits of Professional Internship, Practicum, or Independent Study

(minimum 60 credits for the degree is required)

Environmental Technician Concentration

- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 2910 - INTRODUCTION TO SURVEYING
- GEG 3000 - COMPUTER AIDED DESIGN
- WSM 3010 - WATERSHED SYSTEMS

Safety Management Concentration

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- SFM 1101 - INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY
- SFM 3000 - REGULATION OF INDUSTRIAL HEALTH AND SAFETY
- SFM 3002 - CRITICAL INCIDENT MANAGEMENT
- SFM 3003 - HUMAN FACTORS IN SAFETY

Total Credit Hours: 60

[Archived Catalog]

Geosciences, Bachelor of Science

Offered by the Department of Natural Sciences

Geosciences is a broad academic discipline that integrates many of the physical sciences including Geography, Geology and Watershed Management. It studies the nature of, and relationships between, the natural aspects of our world, and the ways in which human activity influences these relationships. Geoscientists study topics such as, current environmental issues, geology, climate and climate change, water quality and availability, landform processes, the use of geographic information systems (GIS), and planning.

Geoscience majors earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, and Geology. Because all of these concentrations have a common core, a student can easily change from one concentration to another, or combine portions of them to tailor a program to their individual needs. Graduates from these programs pursue careers in government, industry, and Non-Government Organizations (NGO's), or continue their education by entering graduate school. Minors in Geology, Watershed Management, and Outdoor Recreation Leadership are also available and can provide important knowledge and skills to students majoring in related fields. Finally, the department offers a two-year Associate in Applied Science (AAS) in Environmental Technology that includes two concentrations; Environmental Technician, and Safety Management.

Program Objectives:

- Students will develop the basic observational skills they need to function as geoscientists.
- Students will perform tests and collect data to analyze geological materials, features, and processes both qualitatively and quantitatively.
- Students will apply critical thinking skills such as inductive, deductive, and mathematical reasoning to solve geological problems using the scientific method.
- Students will demonstrate the ability to acquire and communicate scientific data, ideas, and interpretations through written, oral, visual, and digital means.

Program Learning Outcomes:

- Students will produce and interpret maps, images, charts and other graphic data.
- Students will explain how human actions influence the environment on local, regional and global scales.
- Students will develop, investigate and present a research problem.

Program Requirements: Geosciences (B.S.): 120 s.h.

- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 3364 - GEOSTATISTICS
- GEL 1125 - PHYSICAL GEOLOGY
- GEOS 1000 - ORIENTATION TO GEOSCIENCES

- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 4440 - GEOSCIENCE RESEARCH
- GEOS 4500 - SENIOR SEMINAR

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II

Geosciences Electives

Take 31 credits of Geosciences Electives

Total Credit Hours: 64

[Archived Catalog]

Geosciences, Environmental Science Concentration

Offered by the Department of Natural Sciences

The concentration in environmental science is a broad-based curriculum designed to prepare students for entry-level positions in a variety of environmentally-related technical careers. The degree will provide students with rigorous training in the fundamental sciences of the environment, and the application of scientific principles to the analysis of environmental problems. Particular emphasis is placed on the acquisition of practical, field-based skills and knowledge that make students desirable in the job market. Graduates typically obtain careers as scientists in environmental assessment, conservation, regulation, and enforcement, and find jobs in all aspects of the public, private, and governmental sectors. They are employed by parks, consulting firms, county soil, water, and agricultural agencies, solid and hazardous-waste firms, planning agencies, and companies associated with the natural gas industry, to name a few. The program also recommends internships, which prepare students to enter the workforce, or pursue advanced degrees at the graduate level.

Program Objectives:

- Students will develop the basic observational skills they need to function as geoscientists.
- Students will perform tests and collect data to analyze geological materials, features, and processes both qualitatively and quantitatively.
- Students will apply critical thinking skills such as inductive, deductive, and mathematical reasoning to solve geological problems using the scientific method.
- Students will demonstrate the ability to acquire and communicate scientific data, ideas, and interpretations through written, oral, visual, and digital means.

Program Learning Outcomes:

- Students will apply scientific principles and method to the investigation of environmental issues to formulate action plans for sustainable alternatives.
- Students will develop a demonstrated understanding of the interactions among physical, biological, chemical, and human components of the environment.
- Students will apply appropriate analytical, quantitative, and instrument-based approaches to environmental assessment by resolving real-world problems in the lab, field, and classroom.

Program Requirements: Geosciences, Environmental Science Concentration (B.S.): 120 s.h.

Core

- BSC 3100 - CONSERVATION AND BIODIVERSITY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE

- GEG 3225 - ADVANCED GEOGRAPHIC INFORMATION SCIENCE
- GEG 3364 - GEOSTATISTICS
- GEL 1125 - PHYSICAL GEOLOGY
- GEL 3325 - GROUNDWATER HYDROLOGY
- GEL 3510 - SEDIMENTOLOGY AND STRATIGRAPHY
- GEOS 1625 - SURFACE HYDROLOGY
- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 2855 - WETLAND SCIENCE
- GEOS 2880 - ENVIRONMENTAL IMPACT ASSESSMENT
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- GEOS 3105 - ENVIRONMENTAL PERMITTING
- GEOS 3312 - CLIMATE CHANGE
- GEOS 4500 - SENIOR SEMINAR

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II

Electives

Take 6 - 7 credits from the following:

- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- GEL 1200 - ENVIRONMENTAL GEOLOGY
- GEOS 3321 - GEOMORPHOLOGY
- GEOS 3430 - REMOTE SENSING

Total Credit Hours: 66 - 67

[Archived Catalog]

Geosciences, Geoarchaeology Concentration

Offered by the Department of Natural Sciences

Geoarchaeology is the application of earth science methods and concepts to address questions about past human activity. Students will study traditional earth science subjects such as soils, geomorphology, geology and the physical landscape, then apply this knowledge to address questions regarding past human settlement, ancient landscape and climate reconstructions. Students will be provided with opportunities to develop and apply hands-on skills in both field and laboratory environments. Students who complete this degree will be qualified to work in a variety of earth science and / or environmental fields (e.g., conservation, and regulation and enforcement). Additionally, students will be eligible for entry-level positions in the Cultural Resource Management sector, which includes firms and State and Federal governmental departments, or pursue advanced degrees at the graduate level.

Objectives

- To provide qualified Geoscience professionals for employment in the state of Pennsylvania and beyond
- To increase employment opportunities for graduates of Mansfield University

Learning Outcomes

- Students will exhibit the ability to collect and record earth science data following commonly accepted professional standards and practices
- Students will demonstrate an understanding of natural processes and be able to identify past human interaction and impact
- Students will apply appropriate analytical and quantitative methods to address a research problem

Program Requirements: Geosciences, Geoarchaeology Concentration (B.S.): 120 s.h.

- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 3315 - NORTH AMERICAN ARCHAEOLOGY (IUP-Zoom)
- ANH 3320 - ARCHAEOLOGICAL FIELD SCHOOL (IUP)
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 2910 - INTRODUCTION TO SURVEYING
- GEG 3225 - ADVANCED GEOGRAPHIC INFORMATION SCIENCE
- GEG 3364 - GEOSTATISTICS
- GEL 1125 - PHYSICAL GEOLOGY

- GEOS 1000 - ORIENTATION TO GEOSCIENCES
- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- GEOS 3321 - GEOMORPHOLOGY
- GEOS 3340 - INTRODUCTION TO GEOARCHAEOLOGY
- GEOS 3430 - REMOTE SENSING
- GEOS 3440 - GEOPHYSICAL METHODS
- GEOS 4440 - GEOSCIENCE RESEARCH
- GEOS 4500 - SENIOR SEMINAR
- MA 1128 - COLLEGE ALGEBRA

Total Credit Hours: 70

[Archived Catalog]

Geosciences, Geology Concentration

Offered by the Department of Natural Sciences

The B.S. in Geosciences with concentration in Geology prepares students for a variety of career and post-graduate paths in geological and environmental sciences, business, and education, as well as government and public service. Students graduating with this degree can pursue careers in environmental consulting, geologic engineering, business, and mineral resources and the petroleum industry. Success in these positions requires the experience to collect and assess data in outdoor field locations, the ability to communicate technical data to associates in both oral and written form, and the ability to present and interpret geologic data in maps, charts and other graphic formats. This program is designed to provide students with a basic working knowledge of current geologic principles, geologic and geographic data collection methods, basic data assessment and report preparation skills, and hands-on experience in geologic research and professional practices.

Program Objectives:

We are here to teach. Excellence in education is a priority to us. We pledge to provide a substantive, up-to-date curriculum for each of our programs. And we will ensure that our students graduate with practical, applied skills that supplement their more general knowledge base.

We are here to learn. Geography and geology are dynamic disciplines whose insights and techniques are continually changing. It is incumbent upon us to grow with our discipline.

We are here to serve. We serve students by providing a broad range of general education classes. We serve our majors by providing guidance and interaction in a supportive atmosphere. We serve the University by membership on committees and by advising student organizations. And we serve the community by providing input to local organizations and government agencies.

Program Objectives:

- Students will develop the basic observational skills they need to function as geoscientists.
- Students will perform tests and collect data to analyze geological materials, features, and processes both qualitatively and quantitatively.
- Students will apply critical thinking skills such as inductive, deductive, and mathematical reasoning to solve geological problems using the scientific method.
- Students will demonstrate the ability to acquire and communicate scientific data, ideas, and interpretations through written, oral, visual, and digital means.

Program Learning Outcomes:

- Exhibit the ability to collect and record geologic field data following commonly accepted professional standards and practices.
- Identify common geologic rock types and features, and interpret their process of formation based on field observations, map data, and laboratory samples.
- Evaluate the resource potential and environmental effects of geologic materials that are found in different regions of the Commonwealth.

Program Requirements: Geosciences, Geology Concentration (B.S.): 120 s.h.

- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 3364 - GEOSTATISTICS
- GEL 1125 - PHYSICAL GEOLOGY
- GEOS 1000 - ORIENTATION TO GEOSCIENCES
- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 4440 - GEOSCIENCE RESEARCH
- GEOS 4500 - SENIOR SEMINAR

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Professional Sequence

- GEL 3322 - HISTORICAL GEOLOGY
- GEL 3325 - GROUNDWATER HYDROLOGY
- GEL 3363 - MINERALOGY
- GEL 3364 - PETROLOGY
- GEL 3500 - GEL MAPPING/ANALYSIS
- GEL 3510 - SEDIMENTOLOGY AND STRATIGRAPHY
- GEL 3520 - STRUCTURAL GEOLOGY
- GEOS 3321 - GEOMORPHOLOGY

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II

Take 6 - 7 credits from the following:

- BI 3355 - PALEOBIOLOGY
- GEL 2810 - OIL AND GAS GEOLOGY
- GEL 2950 - PRINCIPLES OF MUDLOGGING
- GEOS 1625 - SURFACE HYDROLOGY
- GEOS 3020 - PRACTICUM
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- GEOS 3430 - REMOTE SENSING
- GEOS 4415 - APPLICATIONS IN GEOSCIENCES
- GEOS 4496 - INTERNSHIP
- GEOS 4497 - INDEPENDENT STUDY
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- PHY 2210 - GENERAL PHYSICS I

Total Credit Hours: 63

[Archived Catalog]

Geosciences, Watershed Management Concentration

Offered by the Department of Natural Sciences

The concentration in Watershed Management is designed to prepare students for entry-level positions or for graduate school. It is interesting, interdisciplinary and challenging. Required coursework includes biology, chemistry, geology, geography and regional planning, as well as the core classes in watershed management. We also recommend that you complete an internship with a government agency or private organization. Mansfield University is an especially appropriate location for this program. All of the following are located within our county: diverse water chemistry; acid mine drainage impacted streams and demonstration projects to reduce their effect; varied land uses; nutrient loading of some streams from intense agriculture; interesting bedrock and geologic structure; multiple flood control / water management projects; boundary between glaciated and non-glaciated landscapes; Army Corps of Engineers, U.S. Geologic Survey, Pennsylvania Department of Environmental Protection and active local watershed groups; and, part of the Chesapeake Bay watershed, a focus of much research and remedial work. In short, our county is an ideal outdoor laboratory for the study of watershed management.

Program Objectives:

- Students will develop the basic observational skills they need to function as watershed specialists.
- Students will perform tests and collect data to analyze geological materials, features, and processes both qualitatively and quantitatively.
- Students will apply critical thinking skills such as inductive, deductive, and mathematical reasoning to solve geological problems using the scientific method.
- Students will demonstrate the ability to acquire and communicate scientific data, ideas, and interpretations through written, oral, visual, and digital means.

Program Learning Outcomes:

- Students will write a coherent essay or report relating to their field of study.
- Students will properly use field equipment such as flow meters, water quality test kits, pH meters, and soil color charts.
- Students will perform a watershed assessment and to develop a watershed protection or restoration plan.

Program Requirements: Geosciences, Watershed Management Concentration (B.S.): 120 SH

- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 3364 - GEOSTATISTICS
- GEL 1125 - PHYSICAL GEOLOGY
- GEOS 1000 - ORIENTATION TO GEOSCIENCES
- GEOS 2821 - MAP READING AND INTERPRETATION

- GEOS 4440 - GEOSCIENCE RESEARCH
- GEOS 4500 - SENIOR SEMINAR

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Professional Sequence

- GEL 3325 - GROUNDWATER HYDROLOGY
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- GEOS 2880 - ENVIRONMENTAL IMPACT ASSESSMENT
- GEOS 1625 - SURFACE HYDROLOGY
- GEOS 2855 - WETLAND SCIENCE
- GEOS 3105 - ENVIRONMENTAL PERMITTING
- WSM 3010 - WATERSHED SYSTEMS
- WSM 3500 - WATERSHED RESTORATION

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II

Take 6 credits from the following:

- BI 3000 - POLITICAL ECOLOGY
- BI 3319 - AQUATIC ENTOMOLOGY
- GEG 2910 - INTRODUCTION TO SURVEYING
- GEG 3000 - COMPUTER AIDED DESIGN
- GEG 3225 - ADVANCED GEOGRAPHIC INFORMATION SCIENCE
- GEL 2810 - OIL AND GAS GEOLOGY
- GEL 3500 - GEL MAPPING/ANALYSIS
- GEOS 3020 - PRACTICUM
- GEOS 3321 - GEOMORPHOLOGY
- GEOS 4496 - INTERNSHIP

Total Credit Hours: 63

[Archived Catalog]

Graphic Design, Bachelor of Science

Offered by the Department of Art, Communication, English, and World Languages

Mission

The Graphic Design major at Mansfield University is a comprehensive program within a small, public liberal arts university. A tremendous amount of individual attention is given to students, from professors and advisors, providing them with careful guidance throughout their time at Mansfield. The program, which is rooted in the Mansfield Creed of character, scholarship, culture, and service, is positioned within the Department of Art, yet incorporates exposure to other related disciplines - such as Business, Communications, Marketing, and Computer Information Science. This creates a well-rounded understanding of a designer's role within the profession. Before receiving their degree, students studying in this major will complete an internship or a community-based practicum project, as well as a senior seminar capstone exhibition. Students graduating from the Graphic Design program will have a competitive positioning to be employed within the field of art and design, or be well-prepared to continue on for specialized study at the graduate level.

Vision

The Graphic Design program at Mansfield University strives to offer a challenging and enterprising approach to the expression of visual information. Through a belief that one can create a life that embraces integrity, cherishes learning, celebrates differences, and affects others, our graphic design graduates will use their collective creative voice as an influence for positive change. It is our goal to have students leave Mansfield University not merely with training in the practice of graphic design, but with an approach to thinking, communicating, and creating that will allow them to be solvers of complex visual problems, and catalysts for successful communication within society.

Values

- Lead our students in the discipline and profession of graphic design, with a philosophy that is rooted in art and art history, while embracing the terrain of communication and business.
- Educate the next generation of forward-looking graphic designers with adaptable, cross-curricular abilities and perspectives.
- Present the opportunity for students to engage in a program where they will have a competitive position to be employed in the graphic design field or be well prepared to continue on for specialized study at the graduate level.
- Foster a perspective for problem-solving methodologies and a broad approach to the role and influence design can have within society.
- Develop a work ethic of continuous learning and an ongoing utilization of current and changing technologies in the field of graphic design.
- Provide our students with an affordable opportunity to study and experience cultures where design plays a vital role, creates a positive impact, and exerts an influential voice for a conscientious society.

Goals

- LIBERAL ARTS EXPERIENCE
  Facilitate art- and design-based programs that are central to the liberal arts experience, by promoting creative thinking, collaboration, and community engagement.
- CREATIVE PROCESS

Demonstrate the value of the creative process through rigorous research, revision and critique.

- COMMUNITY PROGRAMS

  Nurture and sustain programs that provide art- and design-related experiences for students and community.

Graphic Design - Program Student Learning Outcomes (SLOs)

- **GD-SLO 1>Elements and Principles**
  - Employ the basic and advanced use of elements and principles within all forms of art and design.
- **GD-SLO 2>Discipline-specific Vocabulary**
  - Apply appropriate terminology associated with concepts, history, techniques, and processes used in art and design.
- **GD-SLO 3 >Design Process**
  - Practice design as a process employing intuition, reason and research to create work that effectively conveys ideas and information.
- **GD-SLO 4>History and Culture**
  - Distinguish between historic periods and styles within graphic design, including critical movements, figures, colors, typefaces, tools, processes, and imagery.
- **GD-SLO 5>Tools, Skills, and Techniques**
  - Demonstrate a sufficient understanding of the significance and use of contemporary and historic tools and technologies; including their roles in the creation, reproduction, and distribution of visual messages. Relevant ~~print~~ tools and technologies may include drawing, offset and digital printing, photography, computer software and hardware, bookbinding, exhibition, and signage and wayfinding practices.
- **GD-SLO 6>Commercial Processes**
  - Work effectively with tools and techniques used commercially in the production of graphic design media.
- **GD-SLO 7>Problem Solving**
  - Respond to a problem in search of an appropriate design outcome, supported by research and gathering of relevant information, and by generating and analyzing multiple versions of possible solutions.
- **GD-SLO 8>Presentation, Review, and Critique**
  - Conduct a professional presentation of design work, and evaluate and critique oneself and the work of others, from a variety of perspectives, including art/design theory and history, target audience, utility, and social responsibility.

Program Requirements: Graphic Design (B.S.): 120 s.h.

- ARH 1101 - INTRODUCTION TO ART
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2244 - THREE-DIMENSIONAL DESIGN
- ART 2248 - DRAWING
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA
- GRA 3202 - VISUAL COMMUNICATION AND DESIGN
- GRA 3203 - HISTORY OF GRAPHIC DESIGN
- GRA 3303 - DESIGN THEORY AND PRACTICE
- GRA 3350 - TYPOGRAPHY
- GRA 3365 - DIGITAL ILLUSTRATION
- GRA 4403 - SENIOR SEMINAR PROJECT
- GRA 4404 - BRANDING AND IDENTITY

Emphasis Options

Take five courses from the following:

(at least one advanced course)

- ART 2218 - PHOTOGRAPHY
- ART 2220 - GALLERY MANAGEMENT & EXHIBITION DESIGN
- ART 3281 - SCULPTURE
- ART 3301 - PAINTING
- ART 3318 - ADVANCED PHOTOGRAPHY
- ART 3330 - DIGITAL PHOTOGRAPHY
- ART 3331 - PRINTMAKING
- ART 4430 - ADVANCED DIGITAL PHOTOGRAPHY
- ART 4431 - ADV PRINTMAKING
- GRA 3302 - INTERACTIVE DESIGN
- GRA 3304 - MOVING IMAGE AND SOUND
- GRA 3342 - DESIGN AND ADVERTISING
- GRA 4402 - ADVANCED INTERACTIVE DESIGN
- GRA 4450 - ADVANCED TYPOGRAPHY
- GRA 4465 - ADVANCED DIGITAL ILLUSTRATION

Related Electives

Take two courses from the following:

- ART 1107 - GLOBAL ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 2250 - FIGURE DRAWING
- ART 3271 - CERAMICS
- ART 3362 - ADVANCED WATER BASE MEDIA
- BUS 3260 - ENTREPRENEURSHIP
- CIS 3303 - WEB SITE DESIGN
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- MKT 3330 - MARKETING

Practicum or Internship

Take one course from the following:

- GRA 4405 - GRAPHIC DESIGN PRACTICUM *
- GRA 4410 - GRAPHIC DESIGN INTERNSHIP

*Accompanied by a 3 credit Upper Division Related Elective (in addition to the Related Electives required above)

Total Credit Hours: 63

[Archived Catalog]

Health Education, Associate of Applied Science

Offered by the Department of Nursing and Allied Health Sciences

The A.A.S in Health Education provides the student with a basic background in the rapidly growing field of health education. Students pursuing this degree will learn about preventative health strategies and health promotion methods in various populations. This concentration is ideal for the student seeking a career that is not strongly science-based, but rather one that teaches them how to educate clients to make healthy life choices. Health educators work in medical settings, colleges and universities, public health departments, nonprofit organizations, and private businesses. Upon completion of the A.A.S. in Health Education curriculum, students will be eligible to seamlessly matriculate into the B.S. in Community Health Education if they desire to do so.

Program Objectives:

- Prepare graduates who are qualified to plan and implement evidenced based health promotion programming for individuals and communities in regional and national settings.
- Provide an environment that promotes excellence and professionalism, and a commitment to lifelong learning for students and faculty.

Program Learning Outcomes:

Students completing this program will be able to:

- Identify and apply the steps of health education program planning (community and individual assessment, program planning, program implementation, and program evaluation) at a foundational level.
- Identify social, cultural, and economic factors that promote or hamper learning by individuals and various communities.
- Plan basic health promotion programs for individuals and communities using evidence-based strategies.
- Implement health promotion programs for individuals and communities using evidence-based strategies.

Program Requirements: Health Education (A.A.S.): 61 s.h.

General Education requirements:

- BSC 1104 - HUMAN BIOLOGY
- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR
- MA 1125 - INTRODUCTORY STATISTICS
- NTR 2211 - INTRODUCTION TO NUTRITION
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- 3 credits Humanities
- 3 credits General Education Elective

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

Major requirements:

- CHE 1120 - INTRODUCTION TO GLOBAL COMMUNITY HEALTH EDUCATION
- CHM 1105 - HOW DRUGS WORK
- HPE 3340 - FIRST AID and CPR
- NTR 2220 - NUTRITION AND EXERCISE
- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE

    - Take one Communication Elective course (2000 level or higher)

Take one course from the following:

- GEG 1122 - ENVIRONMENTAL ISSUES
- SFM 1101 - INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY

Take one course from the following:

- HPE 1200 - PERSONAL and COMMUNITY HEALTH
- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION

Take one course from the following:

- PSY 2212 - HUMAN SEXUALITY
- SOC 2232 - AMERICAN FAMILY SYSTEMS

Take one course from the following:

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SWK 2500 - DIVERSITY AND SOCIAL JUSTICE

Total Credit Hours: 61

[Archived Catalog]

History, Bachelor of Arts

Offered by the Department of History, Education, Philsophy, Political Science and Sociology

The Department of History, Education, Philosophy, Political Science and Sociology offers two history degrees: a B.A. in History, and a B.S.Ed. in Social Studies: History. We offer minors in history, political science, international studies, and environmental studies.

History Program

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Non-Western history, as well as a wide variety of arts and sciences courses.

The mission of the History Program includes

- Providing a broad, balanced education in the discipline of history
- Developing skills in critical thinking, problem solving, and communicating (both written and oral) through research and applications
- Nurturing attitudes and values conducive to lifelong learning and to active, effective citizenship
- Encouraging the academic study of leadership and leadership skills in historical context

Vision

The History programs of Mansfield University prepare graduates with the knowledge and skills to be effective historians. Students who pursue a B.S.Ed. degree in Social Studies: Historians are trained to be reflective teachers who believe that all students can learn and help them to do so. The research and writing skills developed in our programs also open opportunities in many other areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staff to ensure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

Goals and Values

The History program promotes the acquisition of historical knowledge, critical thinking, writing, and research skills in the context of a liberal arts education. The program supports the Mansfield strategic goal of making a liberal arts education the foundation for every student. To do that, it offers numerous courses approved for the general education program. The program also supports the Mansfield strategic objectives to improve the first year experience, provide superior academic advising, and develop programs that encourage faculty to interact with and mentor students.

Objectives

- Possess an understanding of course information from the required content courses.
- Gain knowledge of the social, political, cultural, and economic impact of historical events and place them in a global context.
- Demonstrate understanding of how history is interpreted to the public.

Student Learning Outcomes

In all history programs students will accomplish the following**:**

- Demonstrate factual and conceptual understanding of historical events.
- Articulate knowledge of global societies, their historical geographies, and their comparative historical contexts.
- Reflect an understanding of the roles of race, class, gender, and ethnicity in history.
- Acquire familiarity with the uses and the limitations of historical comparison as an analytic tool.
- Recognize and demonstrate use of multiple forms of evidence and sources when researching a topic.
- Write clear, well organized, properly documented, and grammatical prose.
- Demonstrate the acquisition of skills permitting them to locate, identify, order, and communicate pertinent historical information to the general public through a variety of media.

Program Requirements: History, (B.A.): 120 s.h.

Take two courses from the following:

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 3290 - HISTORICAL METHODS

History Electives

- European History Electives

Take one course from the following:

- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3345 - (W)MIDDLE AGES: LIFE AND CULTURE
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST

- United States History Electives

Take one course from the following:

- HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763
- HST 3302 - HISTORY OF THE EARLY REPUBLIC 1789 - 1848
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3304 - CIVIL WAR AND RECONSTRUCTION
- HST 3307 - CONTEMPORARY AMERICA

- HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945
- HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT
- HST 4401 - HISTORY OF PENNSYLVANIA
- HST 4406 - THE WESTWARD MOVEMENT IN AMERICA
- HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA

    - Non-Western / Global History Electives

  Take one course from the following:

- HST 2220 - WORLD WAR II
- HST 2230 - HISTORY OF SEXUALITY
- HST 3273 - HISTORY OF MEDICINE
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3370 - HISTORY OF WORLD REVOLUTIONS
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3390 - GENOCIDE IN THE 20TH CENTURY
- HST 3395 - THE COLD WAR
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD

  History Electives

    - Take three courses with HST prefix

  Applied History

    - Take one course from the following:

- HST 2226 - FILM AS HISTORY
- HST 3350 - INTRODUCTION TO PUBLIC HISTORY
- HST 4449 - PRACTICUM
- HST 4450 - INTERNSHIP

Total Credit Hours: 39

[Archived Catalog]

Liberal Studies, Associate of Arts

Offered by The Department of Student Support Services

The Associate of Arts in Liberal Studies degree strategically resides in the Department of Student Support Services. The department is staffed to facilitate the transition through comprehensive student support service into a bachelor's level program at Mansfield University. Students admitted to the degree program must have completed 12 credits beyond any developmental courses and have a minimum 2.75 GPA or have completed 24 credits with a minimum 2.0 GPA before they are permitted to change programs. These expectations are clearly stated in student's letter of admission to the University.

Mission

The Associates of Arts in Liberal Arts offs students an opportunity to design and obtain a two-year degree that provides the core elements of a liberal education preparation for a broad variety of career paths and additional education experiences.

Vision

The Department of Student Support Services aspires to grant the Associate of Arts of Liberal Studies while supporting the students' education experience through best practices in counseling, academic advising, mentoring, teaching, learning support and services for students with disabilities.

Program Goals

- To impart general knowledge and enhance critical thinking skills and intellectual capabilities
- To enable the student to pursue broad interests or to develop a specialized program in a discipline unavailable as an undergraduate degree, at the University
- To provide the student the opportunity to engage fully in shaping an education best suited to individual needs and interests
- To empower the student with the necessary skills and knowledge to be an effective, productive citizen and leader in a challenging and rapidly changing global society

Program Outcomes

The acquisition of knowledge of:

- Western culture and its relationship to non-western cultures
- The foundations and characteristics of educated discourse
- The unity and diversity of humanity
- Fine arts and aesthetics
- The intricate complexities of life on the planet
- Scientific information as its applied to personal and social decisions
- The approaches of the liberal arts disciplines

The demonstration of skills in:

- Critical and analytical thinking

- Effective written and oral communication
- The use of more than one language
- Inquiry and research
- Quantitative reasoning
- Problem solving

The development of dispositions to:

- Form a coherent, independent philosophy of life
- Make socially responsible and personally fulfilling life choices
- Live sustainably
- Value knowledge and continuing growth
- Form opinions and modify positions based on evidence
- Reason ethically and act with integrity
- Promote social justice and peace

Interested students should contact the chairperson, Professor Deborah Rotella (570-662-4824) for information.

Total Credit Hours: 60

General Education Outline

A. A. Foundations of Knowledge (12 credits)

- First Year Seminar (3)
- Written Communication (6)
- Oral Communication (3)

B. B. Approaches to Knowledge (18-20 credits)

- Humanities (6) (Courses must have a different prefix)
- Natural and Physical Sciences (3-4) (Must have a laboratory component)
- Social and Behavioral Sciences (6) (Courses must have a different prefix)
- Mathematics (3-4)

C. C. Unity and Diversity of Humanity (12 credits)

- Global Perspectives (6)
    - Option 1: Language other than English (6) (Must be two consecutive courses of the same language)
    - Option 2: Western and Non-Western Global Cultures (6) (Courses must have a different prefix)
- Themes (6 from at least two strands)

1. Ethics and Civic Responsibility (3)
2. Environmental, Economic, Social, and Personal Sustainability (1-3)
3. Arts & the Human Experience (1-3)

General Education total hours: 42-44
Remaining Hours 16-18 (by advisement)
Total Credits: 60

[Archived Catalog]

Liberal Studies, Bachelor of Arts

Offered by the Department of History, Education, Philosophy, Political Science, and Sociology

Mission:

The mission of the Bachelor of Arts in Liberal Studies (BA.LS) degree program is to offer flexibility in planning a program of study to meet individual, personal, and career interests. The BA.LS degree program provides a unique opportunity for students to combine fields of study and self-construct specialty programs in areas for which the university does not grant degrees. The program fosters creativity among students with established learning goals and also validates the previous learning of students who opt to pursue this option late in their academic journey. Liberal Studies is an interdisciplinary program designed to provide an individualized education, based in the tradition of the liberal arts (the humanities, the arts, languages, mathematics, and natural and social sciences). The program is committed to the development of the independent lifelong learner.

Vision:

The Bachelor of Arts of Liberal Studies program intent is to produce effective and productive citizens and leaders in a challenging and rapidly changing global society.

Additional Information and Degree Requirements:

Mansfield University offers over 50 academic minors, thus Liberal Arts majors may select fields of study from a broad range of disciplines.

Students in Liberal Studies fulfill the University's general education program requirements (see General Education), including a comprehensive capstone course or experience, and may choose between two paths 1) Complete one or more academic minors or 2) Earn a second-year proficiency in a foreign language. Second year language proficiency is defined as successful completion of the 2202 level of a foreign language. Additionally, students who have completed the capstone course or experience in another program are exempt from completing an additional capstone course or experience in Liberal Studies.

The program fosters creativity among students with established learning goals and also validates the previous learning of students who opt to pursue this possibility late in their academic journey. The faculty academic advisor of record, assist students in the purposeful planning of an undergraduate liberal education that contributes to the acquisition of knowledge and skills which promotes academic and personal growth consistent with the program goals below.

Beyond the general education requirements, there are no specific **course** requirements for the Liberal Studies degree. However, no more than 24 credit hours in any individual prefix area can be counted towards the number of hours needed for graduation (120). (Note that: BUS, MGT, FIN, ACC, MU ART, ED and ELE are each separate course prefix areas).

Program Goals

To impart general knowledge and enhance critical thinking skills and intellectual capabilities

- To enable the student to pursue broad interests or to develop specialized program in a discipline unavailable as an undergraduate degree at the University
- To provide the student the opportunity to engage fully in shaping an education best suited to individual needs and interests
- To empower the student with the necessary skills and knowledge to be an effective and productive citizen and leader in a challenging and rapidly changing global society

Program Outcomes

· The acquisition of knowledge of:

- Western culture and its relationship to non-western cultures
- The foundations and characteristics of educated discourse
- The unity and diversity of humanity
- Fine arts and aesthetics
- The intricate complexities of life on the planet
- Scientific information as it is applied to personal and social decisions
- The approaches of the liberal arts disciplines

· The demonstration of skills in:

- Critical and analytical thinking
- Effective written and oral communication
- The use of more than one language
- Inquiry and research
- Quantitative reasoning
- Problem solving

· The development of dispositions to:

- Form a coherent, independent philosophy of life
- Make socially responsible and personally fulfilling life choices
- Live sustainably
- Value knowledge and continuing growth
- Form opinions and modify positions based on evidence
- Reason ethically and act with integrity
- Promote social justice and peace

Interested students should contact the chairperson, Professor Deborah Rotella (570-662-4824) for information**.**

Student Learning Outcomes:

• Each student will successfully demonstrate the ability to analyze, synthesize, and apply areas of general education knowledge and their specialized area of academic study (academic minor or foreign language proficiency).
• Each students will be able to describe “What is means to have a Bachelor of Arts in Liberal Studies” and demonstrate well developed critical thinking and research Skills through a writing assignment to be included in the Liberal Studies Capstone Portfolio
• Student will demonstrate their advanced ability to communicate in writing by compiling a Liberal Studies Capstone Portfolio which will include artifacts as evidence.

Program Requirements: Liberal Studies (B.A.): 120 s.h.

General Education Outline

A. Foundations of Knowledge (12 credits)

- First Year Seminar (3)
- Written Communication (6)
- Oral Communication (3)

B. Approaches to Knowledge (18-20 credits)

- Humanities (6) (Courses must have a different prefix)
- Natural and Physical Sciences (3-4) (Must have a laboratory component)
- Social and Behavioral Sciences (6) (Courses must have a different prefix)Mathematics (3-4)

C. Unity and Diversity of Humanity (12 credits)

- Global Perspectives (6)
    - Option 1: Language other than English (6) (Must be two consecutive courses of the same language)
    - Option 2: Western and Non-Western Global Cultures (6) (Courses must have a different prefix)
- Themes (6 from at least two strands)

1. Ethics and Civic Responsibility (3)
2. Environmental, Economic, Social, and Personal Sustainability (1-3)
3. Arts & the Human Experience (1-3)

D. A program of study based on learning outcomes, designed in collaboration with a faculty advisor and not exceeding 24 credit hours in courses with the same prefix.

E. Capstone Project accomplished within the major. It may take any appropriate form, e.g., portfolio, research paper, performance, etc.

TOTAL HOURS 42-44

T

[Archived Catalog]

Mathematics, Bachelor of Science

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

Mathematics Program's Mission

The goal of the instructional program in Mathematics is to provide high quality education in mathematics meeting the instructional and professional needs of our students, and to nurture in them an appreciation of mathematics, abstraction, rigor, and justification. Our instructional programs incorporate the standard core topics as well as more specialized areas. Two concentrations are offered, applied mathematics and pure mathematics.

The department seeks to prepare majors and to provide service courses for general education as well as other programs. We aim to prepare our majors both for mathematically related careers in education, government, the private sector, and for graduate studies in mathematics. Our general education mission is to prepare students to effectively use quantitative and symbolic reasoning and analysis in their personal and professional lives, while our service mission to other programs is to provide coherent, effective and efficient courses appropriate to their needs.

Vision Statement

The vision of the Mathematics programs is to continue to maintain the integrity and rigor in our students' learning in mathematics and to consistently strive to bring new and interesting ideas to our curriculum.

Core Values

The core values guiding the Mathematics concentrations are:

- Commitment to high-quality undergraduate education and student success.
- Quality assurance of academic programs.
- Continuous program improvement through assessment of program educational objectives and student outcomes.
- Development of new initiatives and curriculum by challenging traditionally accepted ideas.
- Continued professional development of faculty members and scholarly contributions to the discipline with student participation.
- Seamless transfer of students through articulation agreements with 2-year community colleges.
- Building ties to K-12 groups, community colleges, and local industry.
- Participation in shared governance of departmental affairs.
- Service to the department, University, community, and discipline.

Goals

The overall goals of all of the mathematics related programs are to provide students with the knowledge, skills and attitudes which will enable them to:

- think critically and communicate clearly mathematical concepts and solutions to real-world problems,
- be prepared for life-long learning,

- exhibit positive attitudes and values toward the discipline, so that they can contribute to an increasingly complex and dynamic society, and
- have an appropriate set of professional skills to ensure a productive career.

Core Program Outcomes

The following core program outcomes will be achieved by all students in the B.S. Mathematics degree program, regardless of concentration.

- Common Mathematics Content Knowledge: Students will gain an understanding and awareness of the key concepts found in the standard subject areas of calculus, logic, set theory, linear algebra, probability and statistics, and the history of mathematics.
- Proof and Justification: Students will develop the skills necessary to formulate and understand proofs and to provide justification.
- Abstract reasoning: Students will develop the ability to reason abstractly and rigorously.
- Technology: Students will develop skills necessary to use technology in doing and learning mathematics.

Program Requirements: Mathematics Major (B.S.): 120 s.h.

Applied Mathematics Concentration

Applied Mathematics Concentration Outcomes

This concentration places an emphasis on the mathematical tools used in other disciplines.

Students completing the Applied Mathematics concentration will achieve the following in addition to the core outcomes for the B.S. Mathematics degree:

- Applied Mathematics Content Knowledge: Students will gain an understanding and awareness of the key concepts found in the application of the subject areas of differential equations, numerical analysis, and operations research.

Applied Mathematics Concentration Courses:

Group 1

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Group 2

Take one course from the following:

- MA 3308 - OPERATIONS RESEARCH
- MA 3311 - DIFFERENTIAL EQUATIONS I

Take a two course 8 credit lab science sequence:

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

- CHM 1112 - GENERAL CHEMISTRY II
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Major Related Electives

- Take 18 credits of Upper Division Major Related Electives

1 - 6 credits may come from the BI, CHM, CIS, ECO, and PHY prefixes

Total Credit Hours: 50

Applied Mathematics - Computer Science Concentration

Additional Program Objective for the Computer Science Concentration:

- To provide graduates with a thorough comprehension of the key principles of computing and the application of those principles.

Additional Program Learning Outcomes for the Computer Science Concentration:

- Students will demonstrate proficiency in programming using a high-level language.
- Students will demonstrate understanding of data structures and algorithms.
- Students will demonstrate knowledge of several programming language paradigms.

Computer Science Concentration Courses:

- CIS 1115 - PROGRAMMING WITH OBJECTS
- CIS 3315 - DATA STRUCTURES
- CIS 3300 - PRINCIPLES OF PROGRAMMING LANGUAGES
- CIS 3330 - COMPUTER ORGANIZATION
- CIS 3350 - ANALYSIS OF ALGORITHMS
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3310 - NUMERICAL ANALYSIS
- MA 3311 - DIFFERENTIAL EQUATIONS I
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Mathematics and Computer Science Electives

- Take 9 credits of Upper Division MA
- Take 6 credits of Upper Division CIS

Total Credit Hours: 59

Pure Mathematics Concentration

Pure Mathematics Concentration Outcomes

This concentration is appropriate for students considering graduate studies in Mathematics.

- Pure Mathematics Content Knowledge: Students will gain an understanding and awareness of the key concepts found in the subject areas of geometry, abstract algebra, and real analysis or topology.

Pure Mathematics Concentration Courses

Group 1

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Group 2

Take one course from the following:

- MA 3345 - REAL ANALYSIS I
- MA 3361 - MODERN ALGEBRA - GROUPS
- MA 3362 - MODERN ALGEBRA - RINGS
- MA 3381 - TOPOLOGY

Mathematics Electives

- Take 21 credits of Upper Division Mathematics Electives

Total Credit Hours: 45

[Archived Catalog]

Music Education, Bachelor of Music

Offered by the Department of Music

The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in music, the Bachelor of Music (BM) degree with a major in Music Education, and the Bachelor of Music (BM) degree with three concentrations. Music Performance, Music Business, and Music Technology. Please refer to the department website (Http://music.mansfield.edu) for audition information and other entrance requirements.

The Bachelor of Music Education program is designed to meet the certification requirements set by the Commonwealth of Pennsylvania. Completion of the music education degree prepares students to teach both vocal and instrumental music at the pre-K through high school levels. Students have opportunities observe, participate, and teach in school settings prior to student teaching to give them more experience in the classroom while at Mansfield University. The degree concludes with a term of student teaching that includes a professional seminar focusing on resume and cover letter writing, mock interviews, and certification procedures.

The Music Department is an accredited member of the National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248, (703) 437-0700, (nasm.arts-accredit.org/).

Mission, Vision, and Values

Mission: The Faculty of the Mansfield University Music Department are dedicated to the development of musical excellence in all aspects of our programs. It is the primary mission of the music teacher education program (within the teacher education unit at Mansfield University) to prepare educators to serve the region, the Commonwealth, and the nation. Our graduates will be able to make reflective decisions that are grounded in accepted theory, research, and practice. These decisions will enable the teacher to adapt instruction to individual student differences and to changing conditions within schools and society. (Revised May 15, 2014)

Vision: The music teacher education program at Mansfield University prepares graduates with the knowledge, skills, and dispositions to be reflective teachers who believe all students can learn and help them to do so. These reflective and highly effective education professionals seek to contribute positively to their schools, districts, and communities. They utilize the activities of listening to, respond to, creating, and performing music to teach musical knowledge and skills, aesthetic awareness, and appreciation of diversity across cultures. (Revised May 15, 2014)

Values: Teacher education programs at Mansfield University advance the theme, Teacher as Reflective Decision-Maker. The undergraduate programs derive from a knowledge base and conceptual framework based on Danielson's Four Domains of Effective Teaching - Planning and Preparation, The Classroom Environment, Instruction, and Professional Responsibilities. Candidates are prepared to teach in accordance with the professional standards of the Pennsylvania Department of Education and of national teacher education societies. In addition to this, the music teacher education program place an emphasis on the following:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of music demands honesty and integrity, so too will we expect our department to promote and encourage these values in all we do.

2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, musical performance and scholarship.

3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.

4. We will advocate service. Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of music in the enrichment of the human spirit. (Revised May 15, 2014)

Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertory.
2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music-effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.
10. Students will be able to produce a properly documented research paper as a result of their ability to identify, find, understand and

evaluate sources.

Program Outcomes for the Music Education Degree Program

- Mansfield University Music Education students will pass and compare favorably to students from other institutions on standardized music tests, graduate and secure professional positions.
- MU students who have completed their student teaching will be perceived as prepared for teaching and an asset to the profession by their cooperating teachers.
- Students will be able to demonstrate basic conducting skills in a variety of classroom and ensemble settings.
- Students will be able to demonstrate the ability to sing and play a variety of classroom instruments and also to demonstrate proper playing techniques on varied band and orchestral instruments.
- Students will be able to plan and prepare effective music instruction leading to student learning.
- Students will be able to deliver effective and appropriate music instruction leading to student learning.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at http://music.mansfield.edu/auditions/. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at http://music.mansfield.edu/student-resources/. Prior to the completion of the program students are required to perform a solo recital on their primary instrument or voice. In keeping with the Pennsylvania Department of Education requirements, all students must take 6 credits of mathematics, 3 credits of English composition and 3 credits of English literature in their first 48 hours at Mansfield University. They must also pass the PECT Pre-service Academic Performance Assessment (PAPA) exam and maintain a 3.0 QPA. Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of these requirements, policies, and procedures for teacher certification can be found in the catalog section entitled “University Policies.”

Program Requirements: Music Education (B.M.): 125 s.h.

- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

Take one course from the following:

- MU 3330 - CHORAL CONDUCTING
- MU 3331 - INSTRUMENTAL CONDUCTING

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Take 14 credits of Major Applied Music

Take 12 credits of Secondary Applied Music

- MAP 1121, MAP 1122, and MAP 1123 are required
- MAP 1124, MAP 1125, and MU 3352 are also required for Voice majors

Take 7 credits of Ensemble

- Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.

Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350
Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350
Voice - MEN 3300 or 3301
Strings - MEN 3350

Professional Education

- MU 1100 - FOUNDATIONS OF MUSIC EDUCATION
- MU 3241 - GENERAL MUSIC METHODS K-12
- MU 3305 - TECHNOLOGY IN MUSIC EDUCATION
- MU 3351L - BEHAVIOR MANAGEMENT LAB

Take one course from the following:

- MU 4330 - VOCAL-CHORAL MUSIC IN THE PUBLIC SCHOOLS
- MU 4331 - INSTRUMENTAL MUSIC IN THE PUBLIC SCHOOLS

- MU 4400 - STUDENT TEACHING
- MU 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- SPE 2290 - CULTURAL AND LINGUISTIC DIVERSITY
- SPE 2350 - SUPPORTING STUDENTS WITH DISABILITIES IN INCLUSIVE SETTINGS
- SPE 3351 - BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION

Any Math Course

Total Credit Hours: 98

[Archived Catalog]

Music, Bachelor of Arts

Offered by the Department of Music

The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) degree with a major in Music Education, and the Bachelor of Music (BM) degree with three concentrations: Music Performance, Music Business, and Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

The Bachelor of Arts in Music program provides a broad education in music rather than a heavy concentration on any single area. Students enrolled in this program develop musicianship and performance abilities as well as an intellectual understanding of the arts within the framework of a liberal arts degree. The program is appropriate for undergraduates who wish to major in music irrespective of specific career aspirations. It serves individuals who seek a broad program in general education rather than intense specialization at the undergraduate level.

The Music Department is an accredited member of the National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248, (703) 437-0700, nasm.arts-accredit.org/.

Mission:

The Faculty of the Mansfield University Music Department are dedicated to the development of musical excellence in all aspects of our programs. (Revised December 2013)

Values:

We promote leadership skills that emphasize Character, Scholarship, Culture and Service through a personalized educational environment using music as our communication tool. We are committed to stimulating the continuous pursuit of learning, performance and skill acquisition. We recognize and embrace the important role our liberal arts core education provides our students. (Revised December 2013)

Vision:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of music demands honesty and integrity, so too, will we expect our department to promote and encourage these values in all we do.

2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty

dedicated to the highest standards in teaching, musical performance and scholarship.

3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.

4. We will advocate service. Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of music in the enrichment of the human spirit. (Revised December 2013)

Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertory.
2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music-effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.
10. Students will be able to produce a properly documented research paper as a result of their ability to identify, find, understand and evaluate sources.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at http://music.mansfield.edu/auditions/. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals

and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at http://music.mansfield.edu/student-resources/.

Program Requirements: Music (B.A): 120 s.h.

- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

Take 12 credits of Major Applied Music

Take 3 credits of Secondary Applied Music

- MAP 1121, MAP 1122, and MAP 1123 are required

Take 6 credits of Ensemble

- Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.

Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350
Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350
Voice - MEN 3300 or 3301
Strings - MEN 3350

Total Credit Hours: 42

[Archived Catalog]

Music: Elective Studies in Business, Bachelor of Music

Offered by the Department of Music

The Mansfield University Department of Music provides an environment that promotes academic, musical, and personal growth as well as intellectual, ethical, and aesthetic values. The department serves the regional, national, and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding, and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) in Music Education, the Bachelor of Music with Elective Studies in Business, the Bachelor of Music in Music Performance, and the Bachelor of Music with Emphasis in Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

The Bachelor of Music with Elective Studies in Business combines professional studies in music with nine credits of introductory business courses, nine credits of upper level business electives, the Survey of Music Business course, and a 14-week internship in a music industry area in the student's area interest. The 18-credit business component gives students an overview of business principles and allows for elective exploration, or focus, in the areas of business administration, management, and/or marketing. The internship is normally done during the final semester, or summer, after all other course work has been completed.

The Music Department is an accredited member of the National Association of Schools of Music (NASM).

Mission:

With emphasis on Mansfield University's values of "Character, Scholarship, Culture, and Service", the faculty of the Mansfield University Music Department are dedicated to the development of musical excellence in all aspects of our programs and the fostering of a culturally rich musical community. The Bachelor of Music degree provides a strong foundation in musical skills while preparing our students to pursue and succeed in diverse careers and educational opportunities as 21st century music professionals. (Revised August 2018)

Values:

We promote leadership skills that emphasize Character, Scholarship, Culture and Service through a personalized educational environment using music as our communication tool. We are committed to stimulating the continuous pursuit of learning, performance and skill acquisition. We recognize and embrace the important role our liberal arts core education provides our students. (Revised December 2013)

Vision:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of music demands honesty and integrity, so too, will we expect our department to promote and encourage these values in all we do.

2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, musical performance and scholarship.

3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.

4. We will advocate service. Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of music in the enrichment of the human spirit. (Revised December 2013)

Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertory.
2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music- effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.
10. Students will be able to produce a properly documented research paper as a result of their ability to identify, find, understand and evaluate sources.

Program outcomes for BM with Elective Studies in Business

1. Students will demonstrate expertise in at least one area of music business studies, chosen from the concentrations of 1) music business administration, 2) management, or 3) marketing.

2. Students will demonstrae direct working experience with at least one music-related business.
3. Students will effectively communicate and evaluate critical and current issues involved with the music industry.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at http://music.mansfield.edu/auditions/. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at http://music.mansfield.edu/student-resources/. Students must successfully complete a junior and senior recital prior to the completion of this degree program.

Program Requirements: Music: Elective Studies in Business, (B.M.): 120 s.h.

A grade of "C" or better must be achieved in all MU-prefix courses

- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

- **Applied Music**

  A grade of "C" or better must be achieved in all MAP 33XX and MAP 44XX courses

  Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.

  Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350

  Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350

  Voice - MEN 3300 or 3301

  Strings - MEN 3350

Primary - 12 credits

Secondary - 3 credits

A grade of "C" or better must be achieved in MAP 1121, MAP 1122, and MAP 1123

- MAP 1121 - PIANO CLASS I
- MAP 1122 - PIANO CLASS II
- MAP 1123 - PIANO CLASS III

Ensemble - 7 credits

Students must enroll in one large ensemble each semester on campus

Music Electives

Take 2 credits from subjects MAP, MEN, and MU

Voice students must take MU 3352

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- MGT 2230 - MANAGEMENT PRINCIPLES
- MU 4481 - SURVEY OF THE BUSINESS OF MUSIC
- MU 4489 - INTERNSHIP: MUSIC INDUSTRY

Take 9 Upper Division credits from the BUS, MGT, and MKT prefixes

Music Electives

Take 2 credits from subjects MAP, MEN, and MU

Total Credit Hours: 83

[Archived Catalog]

Music: Emphasis in Music Technology, Bachelor of Music

Offered by the Department of Music

The Mansfield University Department of Music provides an environment that promotes academic, musical, and personal growth as well as intellectual, ethical, and aesthetic values. The department serves the regional, national, and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding, and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) in Music Education, the Bachelor of Music with Elective Studies in Business, the Bachelor of Music in Music Performance, and the Bachelor of Music with Emphasis in Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

Bachelor of Music with Emphasis in Music Technology

The Mansfield University Department of Music provides an environment that promotes academic, musical, and personal growth as well as intellectual, ethical, and aesthetic values. The department serves the regional, national, and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding, and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) in Music Education, the Bachelor of Music with Elective Studies in Business, the Bachelor of Music in Music Performance, and the Bachelor of Music with Emphasis in Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

The Bachelor of Music with Emphasis in Music Technology combines professional studies in music with coursework in general music technology, recording, studio production techniques, and a 14-week internship in a music technology area in the student's area of interest. Additional coursework is drawn from the Communications and Computer Information Science departments in order to develop the student's basic understanding of mass media and relevant computer technologies. The 18-credit music technology component gives students an overview of technology, recording, and studio technique principles. The internship is normally done during the final semester, or summer, after all other course work has been completed.

The Music Department is an accredited member of the National Association of Schools of Music (NASM).

Mission:

With emphasis on Mansfield University's values of "Character, Scholarship, Culture, and Service", the faculty of the Mansfield University Music Department are dedicated to the development of musical excellence in all aspects of our programs and the fostering of a culturally rich musical community. The Bachelor of Music degree provides a strong foundation in musical skills while preparing our students to pursue and

succeed in diverse careers and educational opportunities as 21st century music professionals. (Revised August 2018)

Values:

We promote leadership skills that emphasize Character, Scholarship, Culture and Service through a personalized educational environment using music as our communication tool. We are committed to stimulating the continuous pursuit of learning, performance and skill acquisition. We recognize and embrace the important role our liberal arts core education provides our students. (Revised December 2013)

Vision:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of music demands honesty and integrity, so too, will we expect our department to promote and encourage these values in all we do.

2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, musical performance and scholarship.

3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.

4. We will advocate service. Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of music in the enrichment of the human spirit. (Revised December 2013)

Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertory.
2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music-effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form

and harmonic coherence.

7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.
8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.
10. Students will be able to produce a properly documented research paper as a result of their ability to identify, find, understand and evaluate sources.

Program outcomes for BM with Emphasis in Music Technology

1. Students will knowledgeably discuss the relationship of at least one related field (such as communications, broadcasting, graphic design, and computer science (to the music industry and music technology.
2. Students will gain experience and expertise in music technology hardward and software for recording, editing, mising, MIDI sequencing, and notation.
3. Students will demonstrate direct working experience with at least one music-related business.
4. Students will effectively communicate and evaluate critical and current issues involved with the music industry.

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at http://music.mansfield.edu/auditions/. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at http://music.mansfield.edu/student-resources/. Students must successfully complete a junior and senior recital prior to the completion of this degree program.

Program Requirements: Music: Emphasis in Music Technology, (B.M.): 120 s.h.

A grade of "C" or better must be achieved in all MU-prefix courses

- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

- **Applied Music**

  A grade of "C" or better must be achieved in all MAP 33XX and MAP 44XX courses

  Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.

Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350

Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350

Voice - MEN 3300 or 3301

Strings - MEN 3350

Primary - 12 credits

Secondary - 3 credits

A grade of "C" or better must be achieved in MAP 1121, MAP 1122, and MAP 1123

- MAP 1121 - PIANO CLASS I
- MAP 1122 - PIANO CLASS II
- MAP 1123 - PIANO CLASS III

Ensemble - 7 credits

Students must enroll in one large ensemble each semester on campus

Music Electives

Take 2 credits from subjects MAP, MEN, and MU

Voice students must take MU 3352

- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- COM 2201 - INTRODUCTION TO MASS MEDIA
- MU 3313 - ELECTRONIC MUSIC I
- MU 4413 - STUDIO PRODUCTION TECHNIQUES
- MU 4414 - RECORDING ARTS
- MU 4481 - SURVEY OF THE BUSINESS OF MUSIC
- MU 4489 - INTERNSHIP: MUSIC INDUSTRY

Take 6 credits from the following:

  - CIS Elective (2000 level or higher)

- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA
- COM 3270 - AUDIO PRODUCTION
- COM 3301 - INTRODUCTION TO VIDEO PRODUCTION
- COM 4440 - COMMUNICATION LAW
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA
- Any other course in computer science, digital media, or other media-related fields, chosen by advisement

Total Credit Hours: 83

[Archived Catalog]

Music: Music Performance, Bachelor of Music

Offered by the Department of Music

The Mansfield University Department of Music provides an environment that promotes academic, musical, and personal growth as well as intellectual, ethical, and aesthetic values. The department serves the regional, national, and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding, and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) in Music Education, the Bachelor of Music with Elective Studies in Business, the Bachelor of Music in Music Performance, and the Bachelor of Music with Emphasis in Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

Bachelor of Music in Music Performance

The Mansfield University Department of Music provides an environment that promotes academic, musical, and personal growth as well as intellectual, ethical, and aesthetic values. The department serves the regional, national, and international communities by developing human and material resources. The Department of Music is committed to stimulating a continuous pursuit of knowledge, understanding, and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) in Music Education, the Bachelor of Music with Elective Studies in Business, the Bachelor of Music in Music Performance, and the Bachelor of Music with Emphasis in Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

The Bachelor of Music in Music Performance is available in piano, guitar, voice, percussion, and any standard string, brass, and woodwind instrument. Mansfield University offers this degree to exceptional musicians who are committed to pursuing high achievement in ensemble and solo performance. The Bachelor of Music in Music Performance curriculum prepares young musicians for graduate study in music. For some, this degree may also be used as an opportunity to focus on performance skills in preparation for careers, or further study, in fields outside of music.

The Music Department is an accredited member of the National Association of Schools of Music (NASM).

Mission:

With emphasis on Mansfield University's values of "Character, Scholarship, Culture, and Service", the faculty of the Mansfield University Music Department are dedicated to the development of musical excellence in all aspects of our programs and the fostering of a culturally rich musical community. The Bachelor of Music degree provides a strong foundation in musical skills while preparing our students to pursue and succeed in diverse careers and educational opportunities as 21st century music professionals. (Revised August 2018)

Values:

We promote leadership skills that emphasize Character, Scholarship, Culture and Service through a personalized educational environment using music as our communication tool. We are committed to stimulating the continuous pursuit of learning, performance and skill acquisition. We recognize and embrace the important role our liberal arts core education provides our students. (Revised December 2013)

Vision:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of music demands honesty and integrity, so too, will we expect our department to promote and encourage these values in all we do.

2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in music. We will embrace the use of rigorous, responsible and critical inquiry to understand, acquire and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, musical performance and scholarship.

3. We will enhance culture. We will serve and lead the region and beyond in promoting diversity and cultural awareness through music. We will accomplish this mission by vigorously engaging with one another, capitalizing on the gifts bestowed on our community through the arts, and celebrating our similarities and differences. Through open discourse and performance, we will create meaningful experiences that compel us towards understanding and compassion for all humanity.

4. We will advocate service. Knowledge invests us with the power to improve our world and the responsibility to act. We will be engaged in our community. Our students, faculty and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of music in the enrichment of the human spirit. (Revised December 2013)

Department Goals

- To prepare competent musicians, who are able to function in the career area of their choice, in an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values.
- To offer music courses, ensembles, applied music instruction and concerts to the university community.
- To maintain a diversified faculty with expertise appropriate to curricular needs.
- To develop music awareness in the community.

Program Outcomes for all Music Degree Programs

1. Students will perform effectively and musically in their primary performance area. This will include proficiency in skills requisite for artistic self-expression, an overview understanding of the relevant repertoire and demonstrated ability to perform from a cross-section of that repertory.
2. Students will be fluent in reading music notation, not only as pertains to their primary performance area, but also from full scores, the clefs and transpositions those scores utilize, and contemporary notational techniques.
3. Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
4. Students will demonstrate an understanding of the development of western music and listen critically to a varied repertoire of music-effectively describing the use of musical elements and expressive devices using advanced technical vocabulary. These descriptions will include identification of historical periods, genres, and interdisciplinary connections within a historical context.
5. Students will perform in ensembles and be effective, musical and constructive members of musical groups. Successful participation in musical ensembles includes leading small and large groups and working with others to create musically coherent performances.
6. Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
7. Students will accurately sight-sing and take aural dictation. Students will improvise on instruments and voice melodies, variations and accompaniments.

8. Students will communicate effectively in written form.
9. Students will demonstrate their proficiency on the piano/keyboard. This includes the ability to prepare works, sight-read, and improvise harmonizations at the keyboard.
10. Students will be able to produce a properly documented research paper as a result of their ability to identify, find, understand and evaluate sources.

Program outcomes for BM in Music Performance

1. Students will successfully perform a full recital consisting of a representative sample of repertoire.
2. The majority of performance students will be admitted to post baccalaureate programs where they will continue their career development as professional performing musicians or will secure work in related performance fields.
3. Students will demonstrate effective pedagogical techniques in their major applied area

Policies and Procedures

Students must successfully complete a live audition for admission to this program. Audition information may be found on the Music Department website at http://music.mansfield.edu/auditions/. Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and must participate in music ensembles. All music students are required to pass a piano proficiency. During the fourth semester of study, all students will complete a sophomore review which will consist of performance on primary instrument, piano, singing and sightreading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses. Students must also abide by the Academic Requirements for Progression in the Music Department. Details concerning this and the Sophomore Review may be found in the Student Handbook available online at http://music.mansfield.edu/student-resources/. Students must successfully complete a junior and senior recital prior to the completion of this degree program.

Program Requirements: Music: Music Performance, (B.M.): 120 s.h.

A grade of "C" or better must be achieved in all MU-prefix courses

- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

- **Applied Music**

  A grade of "C" or better must be achieved in all MAP 33XX and MAP 44XX courses

  Students are required to enroll in one large ensemble appropriate to their primary instrument or voice during each term that they are enrolled in applied instruction.

  Woodwinds / Brass / Percussion - MEN 3330, 3331, 3332, 3335, or 3350

  Piano / Guitar - MEN 3300, 3301, 3330, 3331, 3332, 3335, or 3350

  Voice - MEN 3300 or 3301

Strings - MEN 3350

Primary - 12 credits

Secondary - 3 credits

A grade of “C” or better must be achieved in MAP 1121, MAP 1122, and MAP 1123

- MAP 1121 - PIANO CLASS I
- MAP 1122 - PIANO CLASS II
- MAP 1123 - PIANO CLASS III

Ensemble - 7 credits
Students must enroll in one large ensemble each semester on campus

Music Electives
Take 2 credits from subjects MAP, MEN, and MU
Voice students must take MU 3352

6 credits of foreign language is required for Voice majors.
Courses must be consecutive and in the same language.

Take one course from the following:

- MU 3330 - CHORAL CONDUCTING
- MU 3331 - INSTRUMENTAL CONDUCTING

Take one course from the following:

- MU 4420 - SONG LITERATURE
- MU 4429 - ADVANCED STUDIES MUSIC LITERATURE
- MU 4431 - THE SYMPHONY
- MU 4437 - WIND BAND LITERATURE
- MU 4438 - CONDUCTOR’S LITERATURE

Take one course from the following:

- MU 4471 - VOCAL PEDAGOGY
- MU 4472 - PIANO PEDAGOGY
- MU 4474 - STRING PEDAGOGY
- MU 4475 - WOODWIND PEDAGOGY
- MU 4476 - BRASS PEDAGOGY
- MU 4477 - PERCUSSION PEDAGOGY

Primary Applied Music - 20 credits
Ensemble - 5 credits
(includes chamber ensembles)
Music Electives
Take 2 credtis from subjects MAP, MEN, and MU
Voice students must take MU 3353

Total Credit Hours: 83

[Archived Catalog]

Nursing, Bachelor of Science in Nursing

Offered by the Department of Nursing and Allied Health Sciences

The Bachelor of Science in Nursing Program is designed to blend the resources of a public university and multiple clinical affiliates, leading to a program that is both academically and clinically strong. Students spend their first two years at the Mansfield University main campus completing general education and introductory nursing courses. The last two years of the program are completed in Sayre, Pennsylvania at the Guthrie-Mansfield Education Center. Students have the opportunity to learn in regional medical centers and community settings, such as long-term care facilities, public schools, correctional facilities, and occupational, mental health, pediatric, and other outpatient clinics. Students also have clinical experiences in home health, hospice, and public health agencies.

Completion of the Nursing Program prepares graduates who possess the knowledge and skills to be proficient in beginning nursing practice and leadership.

This program provides a strong background in nursing as well as the liberal arts and sciences.

The baccalaureate nursing program at the Department of Nursing and Allied Health Sciences at Mansfield University located in Sayre, PA is **accredited by the: Accreditation Commission for Education in Nursing (ACEN)**
3390 Peachtree Road NE
Suite 1400 Atlanta, GA 30326
(404) 975-5000

The most recent accreditation decision made by the ACEN Board of Commissioners for the baccalaureate nursing program is **Continuing Accreditation**.

View the public information disclosed by the ACEN regarding this program at http://www.acenursing.us/accreditedprograms/programSearch.htm

Mission: To provide a caring and innovative learning environment that is grounded in the liberal arts and emphasizes character, scholarship, culture and service. The Mansfield University BSN Program prepares graduates who possess the knowledge and skills to be proficient in beginning practice and leadership.

Vision: To be recognized for a caring and innovative nursing faculty that possess the knowledge and skills to prepare graduates who are proficient in contemporary nursing practice.

Values

The Mansfield University nursing faculty value the Mansfield Creed, including Character, Scholarship, Culture and Service. The nursing program's core values are:

- respect for others
- integrity
- innovation
- diversity

- caring
- collaboration
- accountability
- passion for life-long learning
- student centered learning

Program Goals

Integrate nursing knowledge with the liberal arts and sciences

Provide an environment that promotes nursing excellence, professionalism, and a commitment to lifelong learning

Program Student Learning Outcomes

At the end of the BSN program, the graduate nurse will (End-of Program SLOs):

1. Demonstrate clinical judgment through the application of theories, concepts and research from the scientific, humanistic, and nursing disciplines
2. Implement therapeutic nursing interventions in the care of individuals, families and communities utilizing the nursing process in compliance with the ANA's Nursing: Scope and Standards of Practice (2015).
3. Integrate communication skills required for the role of a generalist professional nurse as a practitioner, educator, collaborator, leader and advocate in providing health care for individuals, families and communities.
4. Demonstrate legal, ethical, and professional behaviors and accountability in all nursing roles.

Policies and Procedures Specific to the Nursing Major:

For all policies and procedures related to the BSN program, please refer to the Mansfield University Undergraduate Nursing Student Handbook, which is updated regularly. To find the most current version of the undergraduate nursing student handbook, visit the following website: https://www.mansfield.edu/majors-and-minors/nursing/index.cfm#?, and click on the "Student Resources" tab.

Program Requirements: Nursing (B.S.N.): 120 s.h.

- BI 3371 - MICROBIOLOGY **OR**
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- MA 1125 - INTRODUCTORY STATISTICS
- NTR 2211 - INTRODUCTION TO NUTRITION
- NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING
- NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I/HEALTH ASSESSMENT
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 3370 - NURSING CARE OF THE ADULT CLIENT
- NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILDREARING FAMILIES
- NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I
- NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II
- NUR 4411 - CASE STUDIES IN NURSING
- NUR 4471 - COMMUNITY HEALTH NURSING

- NUR 4472 - MENTAL HEALTH NURSING
- NUR 4480 - LEADERSHIP PRINCIPLES AND QUALITY IMPROVEMENT IN NURSING PRACTICE
- NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS
- PHL 3380 - HEALTH CARE ETHICS
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Nursing Elective

- Take 3 credits from the NUR prefix

Total Credit Hours: 93

[Archived Catalog]

Nutrition, Bachelor of Science

Offered by the Department of Nursing and Allied Health Sciences

The Department offers a degree program in nutrition with concentrations in dietetics or sports nutrition. Students in this major engage in rewarding activities in and out of the classroom. Those wishing to work in fitness and sports should select the sports nutrition concentrations, while those wishing to become registered dietitians must select the dietetics concentration.

The nutrition major prepares students to complete advanced degrees in the field, qualify for post-baccalaureate internships and/ or seek employment upon graduation. Career opportunities in this growing field include jobs as clinical dietitians, foodservice directors, sports nutritionists, corporate nutritionists, private practice dietitians, wellness and weight control experts, and community dietitians in public and private organizations. The Mansfield University dietetics concentration is currently accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics, 120 South Riverside Dr., Plaza Suite 2000 Chicago, IL 60606 (312-899-0040 ext 5400) acend@eatright.org.

Dietetics Concentration

Graduates of this program have two options: 1) to obtain an Accreditation Council for Education in Nutrition and Dietetics (ACEND) accredited internship in order to become a Registered Dietitian, or (2) to obtain an entry level job.

Sports Nutrition Concentration

Sports nutrition is a rapidly growing field of study. Careers in sports nutrition involve working with individuals and groups who are healthy, active and highly competitive. The sports nutrition concentration is designed for students who seek graduate studies in related fields or who wish to prepare for careers. Individuals who hope to become Registered Dietitians must complete the dietetics concentration or take additional courses that will qualify them to apply for a post-baccalaureate internship.

Minor

A minor in nutrition is available for students wishing to combine nutrition with other areas of study.

Mission

The mission of the nutrition program at Mansfield University is to integrate Mansfield University's liberal arts emphasis with knowledge and skill necessary for progressing toward goals foundational to students for supervised practice leading to eligibility for the CDR credentialing exam to become Registered Dietitian Nutritionists (RDN), as well as careers in food, nutrition, dietetics; graduate school: and/or post-baccalaureate internships.

Vision

To provide a student-focused learning environment that allows nutrition students to develop their potential in becoming competent leaders who empower their patients, clients, employees, and communities.

Scholarship

We enthusiastically embrace student learning. We believe students should be actively engaged learners in, as well as out, of the classroom. We believe faculty and students should be life-long learners.

Character

We provide an environment which encourages personal accountability, integrity, honesty, and courage. We create an atmosphere which fosters respect for others whom students may encounter in their personal and professional lives.

Culture

We celebrate the uniqueness of individuals with whom nutrition professionals interact. We provide opportunities for students to learn about the unique needs of humans from a variety of backgrounds.

Service

We support our local community and embrace service learning. We encourage our students to participate in volunteer activities related to the major.

Program Goals

Goal #1 - The DPD program will provide quality didactic instruction that prepares graduates to apply for acceptance into accredited dietetic internships, graduate school, or entry level careers in nutrition or a related field.

1.a. Within 12 months of completing the program, at least 75% of graduates will have passed the RD and/or obtained employment related to their major, and/or enrolled in an accredited continuing education program.

1.a.a. 50% of program graduates apply for admission to a supervised practice program prior to or within 12 months of graduation.

1.a.b. 50% of program graduates are admitted to a supervised practice program within 12 months of graduation.

1.a.c. The program's one-year pass rate (graduates who pass the registration exam within one year of first attempt) on the CDR credentialing exam for dietitian nutritionists is at least 80%.

1.a.d Over a five-year period, 75% of DPD graduates not applying to or accepted to supervised practice programs will obtain jobs in the field.

1.b. One year after graduation, 75% of the graduates and 75% of their supervisors will rate students' knowledge and skills as at least an asset to them.

1.b.a One year after graduation, 75% of the graduates will rate their knowledge and skills as at least an asset to them.

1.b.b One year after graduation, 75% of the graduates' supervisors will rate the graduates' knowledge and skills as at least an asset to them.

1.c. One year after graduation, 75% of the graduates will rate their preparation as adequate or higher.

1.d. At least 80% of program students complete program/degree requirements within six years (150% of the program length).

Goal #2 - The DPD program will prepare graduates for professional growth and development through membership in pre-professional clubs, professional organizations, attendance at professional meetings, and through community service.

2.a. At least 75% of responding nutrition graduates and verification statement recipients will report that they have participated in continuing education activities in the past year.

2.b. At least 75% of responding nutrition graduates and verification statement recipients will report that they have participated in community service activities in the past year.

Program Student Learning Objectives

- Students will demonstrate their ability to use and interpret current research in developing knowledge of nutrition, sports nutrition, and dietetic practice.
- Students will demonstrate the ability to use oral and written communications effectively as individuals and in group settings requiring collaboration and teamwork.
- Students will demonstrate problem solving and critical thinking skills related to medical nutrition therapy. (Dietetics only)

- Students will demonstrate their ability to apply management principles using problem solving and critical thinking skills in hypothetical and actual practice situations. (Dietetics only)
- Students will exhibit understanding of public policy and its effects on health care systems. (Dietetics only)
- Students will demonstrate the ability to make nutrient recommendations for athletes. (Sports nutrition only)
- Students will exhibit the ability to apply their knowledge of problem solving and critical thinking skills in hypothetical and actual sports nutrition practice situations. (Sports nutrition only)

Career opportunities in this growing field include jobs as foodservice directors or sports nutritionists in schools, sports nutritionists in fitness facilities, food and nutrition experts for food manufacturers or grocery store chains, food service directors for various institutions, clinical dietitians in hospitals and, long term care facilities, private practice dietitians, dietitians in wellness and weight control programs; community dietitians for community programs such as the Women, Infants, and Children (WIC) program and employment in a variety of public and private organizations.

Nutrition and dietetics students are subject to all University academic requirements. The following academic requirements apply only to those continuing in the Nutrition and Dietetics Program.

1. Courses required for the B.S. in Nutrition: Dietetics concentration may not be taken Pass/Fail.

2. A grade of "C" or above is required in all nutrition and dietetics (NTR) courses or the course must be repeated.

3. Nutrition and Dietetics courses may be repeated once. Failure to achieve a "C" grade or better after taking the same course for a second time will block the student from enrollment in any further courses with the same prefix offered by Mansfield University.

4. Requirements for the B.S. in Nutrition: Dietetics concentration must be completed in 7 years or the student may need to repeat certain courses.

5. Students must maintain a minimum GPA of a 2.7. Students wishing to transfer into the Nutrition program's dietetics concentration must have at least a 2.7.

All academic standards stated above must be met to receive a Verification Statement. This Verification Statement is required for a Accreditation Council for Education in Nutrition and Dietetics accredited internship, licensure and in some states for certification.

Students must meet all clinical agency health requirements. These may include background checks, specific immunizations, urine drug testing, and a respirator fit test. Students will be expected to cover the costs of background checks, immunizations, urine drug testing and respirator fit test.

The Mansfield University Nutrition program endeavors to comply with the Americans with Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in Nutrition. Students who are accepted into the program, and then are discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

Program Requirements: Nutrition and Dietetics (B.S.): 120 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 2201 - INTRODUCTION TO BIOCHEMISTRY
- MA 1125 - INTRODUCTORY STATISTICS

- NTR 2211 - INTRODUCTION TO NUTRITION
- NTR 3305 - PRINCIPLES OF FOOD SCIENCE
- NTR 3314 - LIFE CYCLE NUTRITION
- NTR 3316 - COMMUNITY NUTRITION
- NTR 3325 - COUNSELING AND HEALTH EDUCATION
- NTR 4417 - ADVANCED NUTRITION
- NTR 4420 - NUTRITION RESEARCH SEMINAR

Elective

- Take 3 credits from the NTR prefix

Nutrition: Dietetics Concentration

- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES
- NTR 3315 - NUTRITION ORGANIZATION AND MANAGEMENT
- NTR 4401 - MEDICAL NUTRITION THERAPY I
- NTR 4402 - MEDICAL NUTRITION THERAPY II
- NTR 4411 - QUANTITY FOOD PRODUCTION

Nutrition: Sports Nutrition Concentration

- HPE 3360 - KINESIOLOGY
- HPE 3370 - PHYSIOLOGY OF EXERCISE
- NTR 3330 - SPORTS NUTRITION

Total Credit Hours: 59 - 66

[Archived Catalog]

Political Science, Bachelor of Arts

Offered by the Department of History, Education, Philsophy, Political Science, and Sociology

The Department offers a B.A. in Political Science. The Department offers minors in History, Political Science, International Studies, and Environmental Studies.

Mission

The mission of the political science major is to promote the skills, knowledge, character, and experiences necessary to produce good leaders and citizens. To that end, our program emphasizes quality teaching, personal advisement, high academic standards, and civic awareness. Students will be challenged to develop skills essential to succeed in a competitive global work force.

Program Goals

Our program will:

- Provide an academically challenging curriculum based around the sub-fields of political science: American politics, comparative politics (politics within countries), and international relations (politics among countries)
- Promote independent thinking, thorough analysis, and critical perspectives on issues and problems
- Instill an appreciation for the complexities of politics and the importance of civic engagement

Program Description

Political Science is a broad social science discipline devoted to the study of government and politics of the US, other countries, and the international system. Our central goal is to produce students with a well-rounded knowledge of the discipline and a set of skills that serve as a basis for careers in any number of fields after graduation.

The study of political science provides an excellent basis to learn new skills and knowledge that can be applied in nearly any field. As a discipline, the focus of study is on the political process and institutions of various political systems, including the United States. However, the analysis of politics and government often involves other disciplines, such as history, economics, philosophy, sociology, anthropology, psychology, business, criminal justice, etc. This explicitly multi-disciplinary approach contributes to well-rounded graduates, which naturally leads them into a wide variety of careers. Moreover, the major emphasizes examining problems from multiple perspectives, attention to factual details, and the need to continually develop and revise broader theoretical ideas. This academic experience is later utilized by graduates in whatever careers they choose to pursue.

The Political Science program emphasizes the development of a key set of skills that will enhance a graduate's long-term career prospects. Specifically, our courses highlight the importance of reading comprehension, critical and analytical thinking, and written and oral communication skills. For students that choose advanced educational opportunities after graduation, such as law school or graduate school, these skills serve as an essential foundation for future academic success. Other students prefer to directly enter the workforce and these same skills are widely applicable in politics, business, journalism, public administration, criminal justice, communications, marketing, and research. Put simply, the emphasis on skills is designed to allow our graduates to excel in almost any career path. Indeed, our recent graduates have selected careers related to politics, government, business, education, law, and criminal justice.

The Political Science major requires a total of 37 credits (typically 13 courses) and provides students maximum flexibility to pursue their interests. Four core courses ensure exposure to the major subfields of the discipline (American Politics, Comparative Politics, International Relations, and Political Philosophy). Students are also required to take one course in social science methods and a (1 credit) senior seminar. The internship requirement also ensures that our graduates gain real-world experience and enter the workforce more rapidly. The internship requirement may be fulfilled with any study abroad experience (short-term or semester or year).

All majors are encouraged to take advantage of our extensive study abroad options. A semester-long experience in any foreign country teaches students about the target country, about the US, and about themselves. In most cases, students can take courses toward the major (and the General Education requirements) while overseas. Some study abroad options do not require foreign language experience. We also strongly support the study of a foreign language. Developing a foreign language skill requires hard work and dedication, but the benefits include a better understanding of global culture, a way of distinguishing a graduate from the competition, and the further honing of critical thinking skills.

Program Outcomes

The student will**:**

- identify and explain the underlying principles, actors, institutions, and processes of the U.S. political system.
- identify and explain the underlying principles, actors, institutions, and processes of Western and non-western political systems.
- identify and explain the theories, actors, problems, and issues that affect international relations among countries within a global system.
- contrast and apply different ideological and philosophical perspectives on politics.
- relate current events to political science.
- demonstrate basic geographic knowledge of the world.
- investigate political phenomena using social science methods.
- demonstrate effective communication skills (written and oral).
- use technology to find appropriate sources of information related to politics.
- summarize key concepts and arguments from text.
- construct analytical arguments supported with evidence.
- critically evaluate various perspectives in political science.
- demonstrate an ongoing interest in government and public affairs.
- recognize the complexities and ambiguities of a global and diverse society.

Program Requirements: Political Science (B.A.): 120 s.h.

- PHL 2205 - LAW, MORALITY and AUTHORITY
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS
- PSC 4444 - POLITICAL SCIENCE SEMINAR

Take one course from the following (minimum 3 credits):
(Or, study abroad experience)

- PSC 4449 - PRACTICUM
- PSC 4450 - INTERNSHIP

Political Science Electives - 18 credits

- Take 12 Upper Division credits from the PSC prefix
- Take 6 credits from the PSC prefix (any level)

Total Credit Hours: 37

International Security Concentration

The International Security concentration within Political Science is designed to attract students particularly interested in issues of international security and focuses on providing a strong background in research and analysis of international and domestic policy issues. In consultation with their assigned advisor, students will develop a personalized plan of study of courses to best supplement their career goals and interests. The study of a foreign language and a study abroad experience are strongly encouraged.

Program Objectives

- Provide an academically challenging curriculum based around the sub-fields of comparative politics and international relations within political science
- Promote independent thinking, thorough analysis, and critical perspectives on issues and problems
- Instill an appreciation for the complexities of politics and the importance of civic engagement

Program Learning Outcomes

- The student will identify and explain underlying principles, actors, institutions and processes associated with political science.
- The student will relate current events to political science.
- The student will contruct analytical arguments supported with evidence
- The student will investigate political phenomena using social science methods.
- The student will communicate ideas and information in an effective manner.

- PHL 2205 - LAW, MORALITY and AUTHORITY
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS
- PSC 4444 - POLITICAL SCIENCE SEMINAR

Take one course from the following (minimum 3 credits):
(Or, study abroad experience)

- PSC 4449 - PRACTICUM
- PSC 4450 - INTERNSHIP

International Security concentration courses

- PSC 2245 - TERRORISM
- PSC 3340 - INTELLIGENCE STUDIES
- PSC 3350 - HUMAN RIGHTS
- PSC 3351 - INTERNATIONAL LAW
- PSC 4415 - U S FOREIGN POLICY

International Security Elective
Take one course from the following:

- CJA 3262 - CRIMINAL INTERVIEWING AND INTERROGATION
- HST 3395 - THE COLD WAR
- PSC 2204 - STATE AND LOCAL POLITICS
- PSC 3328 - GLOBALIZATION
- PSC 3365 - POLITICS IN DEVELOPING COUNTRIES
- PSC 4402 - THE US PRESIDENCY
- PSC 4412 - TOPICS IN GLOBAL POLITICS (Middle East topic)
- PSC 4430 - GLOBAL DEMOCRATICIZATION

Total Credit Hours: 37

Pre-Law Concentration

The pre-law concentration provides a focused major for those students interested in law school. Students in this program will be assigned an advisor to develop a personalized program. In addition to the requirements of the PSC Pre-law program, the advisor helps students select additional courses that will cultivate the skills that the American Bar Association recommends for law school. Students are provided with current information about law school requirements and strategies for applications. Students also benefit from advice about the Law School Admissions Test (LSAT) and how best to prepare for it. MU also has an active student-run Pre-Law Association that facilitates information sharing about law school with local attorneys, alumni, and others. We also maintain an Express Admissions Program and a 3 + 3 Joint Degree program with Widener University School of Law in Harrisburg.

Program Objectives

- Provide an academically challenging curriculum based around the sub-fields of political science: American politics, comparative politics, international relations, and political theory / philosophy
- Promote independent thinking, thorough analysis, and critical perspectives on issues and problems
- Instill an appreciation for the complexities of politics and the importance of civic engagement

Program Learning Outcomes

- The student will identify and explain underlying principles, actors, institutions and processes associated with political science.
- The student will related current events to political science.
- The student will construct analytical arguments supported with evidence.
- The student will investigate political phenomena using social science methods.
- The student will communicate ideas and information in an effective manner.

- PHL 2205 - LAW, MORALITY and AUTHORITY
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS
- PSC 4444 - POLITICAL SCIENCE SEMINAR

Take one course from the following (minimum 3 credits):
(Or, study abroad experience)

- PSC 4449 - PRACTICUM
- PSC 4450 - INTERNSHIP

Pre-Law concentration courses

Take one CJA course from the following:

- CJA 3354 - CRIMINAL LAW
- CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE

- PHL 3230 - FORMAL LOGIC
- PHL 3320 - PHILOSOPHY OF LAW
- PSC 3351 - INTERNATIONAL LAW
- PSC 4404 - CONSTITUTIONAL LAW

Pre-Law Elective

Take one course from the following:

- BUS 4410 - BUSINESS LAW I

  • CJA 3354 Criminal Law*

  • CJA 3355 Constitutional Criminal Procedure*
- COM 4401 - PERSUASION
- COM 4440 - COMMUNICATION LAW
- PSC 3340 - INTELLIGENCE STUDIES
- PSC 4402 - THE US PRESIDENCY

*when not selected above

Total Credit Hours: 37

[Archived Catalog]

Professional Studies in Secondary Education, Bachelor of Science in Education

Offered by the Department of History, Education, Philosophy, Political Science, and Sociology

Professional Studies in Secondary Education Degree Program with Concentrations in Earth & Space Science, English Language Arts, Mathematics, Social Studies, and Special Education

Mission: We are dedicated to the development of excellence in all aspects of our Education programs. It is the primary mission of the Professional Studies program to prepare educators to serve the region, the Commonwealth, and the nation. Our graduates will be able to make reflective decisions that are grounded in accepted theory, research, and practice. These decisions will enable the teacher to adapt instruction to individual adolescent differences and to changing conditions within schools and society.

Vision: We prepare graduates with the knowledge, skills, and dispositions to be reflective teachers who believe all students can learn and help them to do so. These reflective and highly effective education professionals seek to contribute positively to their schools, districts, and communities. They will foster and encourage content-related experiences while appreciating diversity across cultures.

Values: Teacher education programs at Mansfield University advance the theme, "Teacher as Reflective Decision-Maker." This theme derives from a knowledge base and conceptual framework based on Danielson's Four Domains of Effective Teaching: Planning and Preparation, the Classroom Environment, Instruction, and Professional Responsibilities. Candidates are prepared to teach in accordance with the professional standards of the Pennsylvania Department of Education and of national teacher education societies. In addition to this, the Professional Studies in Secondary Education Program places an emphasis on the following:

1. We will promote character. Our faculty and students will exemplify the highest standards of ethical behavior, incorporating respect for self, others, and our surroundings. We will devote ourselves to the holistic development of individuals, fostering personal accountability, honesty, and advocacy through character education. Courage, integrity, and honor exemplify our core values. As the art of teaching demands honesty and integrity, so too will we expect our department to promote and encourage these values in all we do.

2. We will foster scholarship. We will model a life of intellectual curiosity, celebrating the creation and dissemination of new ideas in education and the concentration areas. We will embrace the use of rigorous, responsible, and critical inquiry to understand, acquire, and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning. We will therefore maintain a faculty dedicated to the highest standards in teaching, content knowledge, and scholarship.

3. We will enhance culture. We will serve and lead the region and beyond in promoting global diversity and cultural awareness. We will accomplish this mission by working collaboratively across disciplines. Through open discourse, we will create meaningful experiences that compel us towards deeper understanding on the inter-connectedness of the disciplines.

4. We will advocate service. Knowledge invests us with the power and responsibility to improve our world, and to act as advocates and agents of positive change. We will be engaged with our community. Our students, faculty, and staff will partake in volunteerism and service activities as a natural outgrowth of the University Mission in order to impact lives now and in the future. We encourage and actively promote on our campus and surrounding community an awareness of the importance of the role of teaching and the disciplines in the enrichment of the human spirit and knowledge of the influences that affect the world. (Revised November 2017)

Professional Studies in Secondary Education Program Student Learning Outcomes
(approved Summer 2018)

A. Understanding the Organizational Structure of the High School

Candidates will document professional growth through reflection that supports continuing critical and constructive self-assessment in their developing ability to:

- Make curricular decisions that are grounded in the social, philosophical, and historical foundations of education.
- Engage adolescents in activities related to their interpersonal, community, and societal responsibilities.
- Develop classrooms as communities of practice that are learner-oriented.
- Utilize student assistance and student support programs that attend to the intellectual, social, and emotional needs of adolescents.
- Participate in professional organizations related to a subject-area specialization, academic discipline, and/or teaching.
- Interact with various professionals that serve adolescents (e.g., school counselors, social service workers, home-school coordinators).
- Understand the philosophy of secondary education.

B. Understanding and Applying Adolescent Development, Cognition, and Learning Fundamentals

Candidates will support and maintain positive classroom environments that are conducive to student learning by demonstrating their ability to:

- Recognize and implement the major concepts, principles, theories, and research related to adolescent cognitive, social, sexual, emotional, and moral development.
- Design and implement strategies that encourage students' positive self-esteem, self-efficacy, and motivation.
- Identify and respect the range of individual and cultural differences of all adolescents and the implications of those differences in teaching and learning.
- Identify how the development of all adolescents occurs in the context of classrooms, families, peer groups, communities, and society.
- Design and implement strategies that provide students with appropriate skills in making the transition from middle-level to high school, and then to full citizenship (work, college, military, etc.).
- Incorporate knowledge of adolescent development into educating students in goals setting and decision-making.
- Create and support learning environments that promote the healthy development of all adolescents.
- Demonstrate effective adolescent behavior strategies for the classroom.

C. Pedagogical Competence: Planning and Preparation

Candidates will plan and prepare effective instruction in the content area that leads to student learning by demonstrating their ability to:

- Use effective instructional principles, especially those that draw on the research on pedagogical content knowledge in course content.
- Make decisions about curriculum and resources that reflect an understanding of adolescent development.
- Use materials designed explicitly for the secondary grades.
- Utilize subject-specific methodologies.
- Incorporate technology into instruction appropriately.
- Create lessons that support literacy across the curriculum.
- Apply PA core standards into both short-term and long-term instructional goals.
- Design educational experiences that help students communicate using various tools and means.
- Create lessons that demonstrate an understanding of literacy both broadly and in discipline contexts.
- Utilize literature, classic texts in different genres, commercial reading materials, electronic-based information and locally created materials.

D. Pedagogical Competence: Instruction

Candidates will deliver effective and appropriate instruction in the content area that leads to student learning, as demonstrated by their ability to:

- Employ teaching and learning strategies that consider and capitalize upon the developmental characteristics of all adolescents.
- Use effective comprehensive instructional principles responsive to the needs of students.
- Deliver curriculum that is relevant, challenging, integrative, and exploratory.
- Incorporate adolescents' ideas, interests, and experiences into instruction.
- Design successful interventions responsive to the needs of individual students.
- Integrate technology and other resources appropriately in order to prepare students for higher education, full citizenship, and the workforce.
- Prepare students to gain, process, and use information in different contexts.
- Demonstrate the adaptation of educational or subject-specific research in lessons.
- Differentiate instruction, assessment, and management strategies to represent a broad spectrum of learning abilities, learning styles, multiple intelligences and interests.
- Develop inclusionary practices that respect differences and encourage students to work together to maximize their own and one another's learning.

E. Educational Assessment

Candidates will use norm-referenced, criterion-referenced, dynamic (value-added), formative, summative, and benchmark assessments as a basis for aligning individual and group instruction with increasingly complex curricular goals, as evidenced by their documented ability to:

- Utilize assessment practices which match instructional strategies, are culturally relevant, and authentically measure student performance.
- Continuously monitor the results of interventions and alter instruction accordingly.
- Use multiple assessments (authentic screening, diagnostic, formative, benchmark and summative) that are developmentally appropriate for adolescent learners, including graduation and end-of-course examinations.
- Implement technology in student assessment and measures.
- Use assessment data to guide instruction.
- Strategically tutor students whose assessments indicate need for additional instruction.
- Use multiple assessment strategies that effectively measure student mastery of the curriculum in more than one way.
- Design assessments that target academic standards and Assessment Anchor Content Standards in subject areas.
- Develop assessments that impact instruction, facilitate learning communities, and support diverse students' development and learning.
- Apply assessments that help reveal readiness in making the transition from school (to work, to higher education, to military service, to full citizenship, etc.).

F. Professionalism

Candidates will conduct themselves in accordance with Pennsylvania's Code of Professional Practice and Conduct for Educators and the Mansfield University dispositions policy, as demonstrated by their documented ability to:

- Act as positive role models, coaches, and mentors for all adolescents.
- Communicate deep content knowledge in the subjects taught.
- Serve on an advisory program, co-curricular activities, and other programs supporting the curriculum.
- Uphold high professional standards.
- Utilize research and data-based decision-making.
- Participate fully in grade and building level structures.

- Develop effective teaching practices and focus on continual improvement within the teacher-preparation apprenticeship model.

G. Accommodations and Adaptations

Candidates will be able to demonstrate core knowledge in the following areas and the ability to use that knowledge effectively to plan and implement effective instruction with students who have disabilities:

- Types of Disabilities and Implications for Learning
- Cognitive Skill Development to Ensure Achievement of Students with Disabilities in Standards Aligned System to include All School Environments
- Assessments
- Literacy Development and Instruction in Core and Intervention Areas
- Effective Instructional Strategies for Students with Disabilities in Inclusive Settings

H. English Language Learners

Candidates will be able to demonstrate core knowledge in each of the following areas and the ability to use that knowledge effectively to plan and implement effective instruction with students who are English Language Learners:

- Language
- Culture
- Standards-based Instruction
- Assessment
- Professionalism

I. Subject Matter Content Candidates will demonstrate mastery in the content, processes, and related concepts in the discipline areas respective to their individual areas of preparation.

Program Requirements: Professional Studies in Secondary Education (B.S.Ed.): 120 s.h.

Core Courses for Secondary concentrations

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA
- MA 1125 - INTRODUCTORY STATISTICS *

  *Math Ed Majors will take a more advanced course instead of Math 1125.
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SPE 2290 - CULTURAL AND LINGUISTIC DIVERSITY
- SPE 2350 - SUPPORTING STUDENTS WITH DISABILITIES IN INCLUSIVE SETTINGS
- SPE 3351 - BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION

Earth and Space Science Education Concentration

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEL 1125 - PHYSICAL GEOLOGY
- GEL 3322 - HISTORICAL GEOLOGY
- GEL 3363 - MINERALOGY
- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 3312 - CLIMATE CHANGE
- PHY 1191 - PHYSICS I

Take one course from the following:

- AST 1105 - THE SOLAR SYSTEM
- AST 1106 - STARS AND GALAXIES

Take one course from the following:

- BI 1110 - ZOOLOGY
- BSC 1104 - HUMAN BIOLOGY

Take a 3 credit Geology Elective

  - PDE English Literature requirement

English Education Concentration

- ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS
- ENG 2130 - INTRODUCTION TO LITERARY STUDIES
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 3324 - COMPOSITION THEORY & PRACTICE
- ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS
- ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM
- ENG 4401 - SEMINAR IN LITERARY STUDIES

Survey of Literature

- ENG 2268 - SURVEY OF BRITISH LITERATURE
- ENG 2278 - SURVEY OF AMERICAN LITERATURE

Literature and Culture

Take two courses from the following:

- ENG 3346 - AMERICAN LITERATURE AND CULTURE
- ENG 3347 - BRITISH LITERATURE AND CULTURE
- ENG 3348 - WORLD LITERATURE AND CULTURE

Diversity

Take one course from the following:

- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LGBTQ LITERATURE

Genre or Author

Take one course from the following:

- ENG 3376 - GENRE IN CONTEXT
- ENG 3385 - AUTHOR IN CONTEXT

    - 6 credits of foreign language is required. Courses must be consecutive and in the same language.
    - 3 credits of Mathematics

Mathematics Education Concentration

- ED 3314 - TEACHING SECONDARY MATHEMATICS
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

Take one course from the following:

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877

Take one course from the following:

- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS

Take one course from the following:

- MA 3329 - UNIFORM GEOMETRIES
- MA 3330 - NON-UNIFORM GEOMETRIES

Take one course from the following:

- MA 3361 - MODERN ALGEBRA - GROUPS
- MA 3362 - MODERN ALGEBRA - RINGS

Take one course from the following:

- PHY 1191 - PHYSICS I
- PHY 2210 - GENERAL PHYSICS I

    - Mathematics Electives - 12 credits (Upper Division level)

- PDE English Literature requirement (Upper Division)

Social Studies: History Education Concentration

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- GEG 1111 - PHYSICAL GEOGRAPHY
- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 3290 - HISTORICAL METHODS
- HST 3316 - TEACHING SECONDARY SOCIAL STUDIES
- HST 4401 - HISTORY OF PENNSYLVANIA
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

Take two courses from the following:

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900

History Electives

- European History Electives - 6 credits

Take one course from the following:

- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3345 - (W)MIDDLE AGES: LIFE AND CULTURE
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3366 - TWENTIETH CENTURY EUROPE

Take 3 credits of any European History Electives

- United States History Electives - 3 credits

Take one course from the following:

- HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763
- HST 3302 - HISTORY OF THE EARLY REPUBLIC 1789 - 1848
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3307 - CONTEMPORARY AMERICA
- HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945

- Global History Electives - 6 credits

(3 credits Non-Western - once course must be an African or Asian history course)

- PDE English Literature requirement (Upper Division)

Special Education Concentration

The Special Education Concentration prepares students to work with children with exceptional needs. The concentration is built around a core of 42 Special Education credits, plus the student teaching requirement. Additional coursework in Education (18 credits) ensures that our graduates are well-prepared. The program prepares students to work with exceptional individuals through a variety of teaching methods and practicum experiences. Students who complete the requirements for certification in special education receive a Bachelor of Science in Education degree and a Pennsylvania Instructional I teaching certificate. This certificate allows students to teach children in grades Pre-K-12 with exceptionalities in the areas of intellectual disabilities, emotional disturbance, autism, physical disability and brain injury. Many graduates of the program also pursue graduate studies after obtaining their undergraduate degree.

Learning Outcomes

Due to PDE requirements, ED courses are built around specific competencies. Our varied ED programs broadly summarize these competencies into SLOs. The SLOs below are unique to Special Education, but strongly mirror the SLOs in our other ED programs.

1. Students will effectively plan and prepare lessons which include appropriate accommodations and specially designed instruction based on student strengths and needs per student disability.
2. Students will effectively assess, interpret assessment results, and implement evidence-based interventions to address needs highlighted by assessment results.
3. Students will effectively develop Reevaluation Reports and Individualized Education Plans for students which reflect their individual strengths and needs.
4. Students will demonstrate effective communication and collaboration strategies with students, teachers, parents, advocates, and community agencies.
5. Students will understand, differentiate between, and adhere to state and federal laws related to special education, understand required paperwork and timelines, and state level compliance requirements.

Special Education core

- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 2270 - EARLY CHILDHOOD DISABILITIES
- SPE 2290 - CULTURAL AND LINGUISTIC DIVERSITY
- SPE 2350 - SUPPORTING STUDENTS WITH DISABILITIES IN INCLUSIVE SETTINGS
- SPE 3291 - HIGH INCIDENCE DISABILITIES
- SPE 3315 - COMMUNICATION DISORDERS AND ASSISTIVE TECHNOLOGIES
- SPE 3346 - LITERACY INSTRUCTION FOR STUDENTS WITH DISABILITIES
- SPE 3351 - BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION
- SPE 3361 - AUTISM AND BEHAVIOR DISORDERS
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 4430 - TECHNOLOGY FOR SPECIAL EDUCATION
- SPE 4440 - INSTRUCTIONAL STRATEGIES FOR LOW INCIDENCE DISABILITIES
- SPE 4445 - ADVANCED INSTRUCTIONAL METHODS IN SPECIAL EDUCATION
- SPE 4465 - ETHICS, SCHOOL LAW, AND PROFESSIONAL COLLABORATION

Education / Elementary Education requirements

- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3310 - CONTENT AREA READING AND WRITING
- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS

Take one course from the following:

- ELE 2800 - EARLY CHILDHOOD INTEGRATED CURRICULUM and METHODS

- ELE 3395 - INTEGRATING THE ARTS FOR THE DEVELOPING CHILD

Take one course from the following:

- ELE 3386 - SOCIAL STUDIES METHODS FOR THE DEVELOPING CHILD
- ELE 3387 - SCIENCE AND TECHNOLOGY METHODS
- ELE 4403 - (W)LANGUAGE ARTS METHODS FOR THE DEVELOPING CHILD
- ELE 4425 - LITERACY METHODS II: GRADES 2-4 LITERATURE II
- ELE 4426 - MATHEMATICS METHODS II: GRADES 2-4

Take one course from the following:

- ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY
- ED 3314 - TEACHING SECONDARY MATHEMATICS
- HST 3316 - TEACHING SECONDARY SOCIAL STUDIES

Student Teaching

- SPE 4400 - STUDENT TEACHING
- SPE 4400L - SENIOR LAB: BECOMING A PROFESSIONAL

Other Requirements

  - PDE English Literature requirement

- MA 1125 - INTRODUCTORY STATISTICS
- MA 2203 - MATHEMATICS FOR THE CLASSROOM
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 2232 - AMERICAN FAMILY SYSTEMS

Total Credit Hours: 87 - 99

[Archived Catalog]

Psychology, Bachelor of Science

Offered by the Department of Behavioral and Social Sciences

The Department offers a B.S. degree in Psychology with concentrations in General Psychology, Counseling, Health Psychology, Forensic Psychology, School Psychology, and Human Resource Management. The Psychology major is chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter advanced degree programs in counseling or related fields.

A Psychology minor is available to non-majors and provides a general survey of the field.

Students are involved in various forms of research under faculty direction. Students present their research at the annual Psychology Research Symposium.

Many students report the internship to be an important part of their educational experience. For some, the internship leads directly to employment. The Psychology Department maintains relationships with a broad range of organizations that offer internships in counseling, other human services, health care, or business. Advisors work closely with students to plan the internship and ensure that the experience is successful.

Mission

We are a student-centered, academic department committed to teaching and learning about psychology and inspiring student appreciation of a life directed by personal growth and integrity. We prepare students for meaningful careers and personal lives, advanced study in psychology or related areas, and service to the community.

Vision and Values

The Psychology Program strives to live the principles of the Mansfield Creed: Character, Culture, Scholarship and Service and to be a place where:

- Students are actively engaged and challenged as they learn about psychology.
- We study, assess, and improve how we teach and how our students learn.
- We pursue academic and professional goals with enthusiasm and integrity.
- There are high standards of scholarship and student-faculty research.
- We recognize the importance of service to others and shared leadership for improvement of the common good.
- We apply learning about psychology to personal and career roles.

Department Goals

- Ensure that students have a well-developed, contemporary understanding of psychology as an academic discipline and profession.
- Promote engaged, state-of-the art learning in all our courses.
- Set high standards for scholarship and student-faculty research.
- Assess student learning and improve our effectiveness as a department.

Learning Outcomes

The curriculum is designed to meet the following student learning outcomes:

- Knowledge Base in Psychology: Describe key concepts, principles, and overarching themes in psychology; Develop a working knowledge of psychology's content domains; Describe applications of psychology
- Scientific Inquiry and Critical Thinking: Use scientific reasoning to interpret psychological phenomena; Demonstrate psychology information literacy; Engage in innovative and integrative thinking and problem solving; Interpret, design, and conduct psychological research; Incorporate sociocultural factors in scientific inquiry.
- Ethical and Social Responsibility in a Diverse World: Apply ethical standards to evaluate psychological science and practice; Build and enhance interpersonal relationships; Adopt values that build community at local, national, and global levels
- Communication: Demonstrate effective writing for different purposes; Exhibit effective presentation skills for different purposes; Interact effectively with others
- Professional Development: Apply psychological content and skills to career goals; Exhibit self-efficacy and self-regulation; Refine project-management skills; Enhance teamwork capacity; Develop meaningful professional direction for life after graduation

Policies and Procedures

Careful advisement of students is a priority of the Psychology Department. All students must complete a thorough orientation to the major, and their subsequent studies are guided by a goal-oriented process. All students maintain a portfolio to assess their learning and guide their academic and professional development. The portfolio is submitted for final review in conjunction with the department's Senior Seminar course.

All students in the major must obtain grades of C or higher in PSY 1101 and either PSY 1151 or PSY 3353 (whichever they take upon entering the major) to continue in the program. Students may retake these courses once to meet the standard. Those who fail to meet the standard may not continue in the major and will be advised in the selection of a new major.

To qualify for an internship, students must maintain a B average in the major.

To meet requirements for graduation as a Psychology major, students must (1) satisfy the University's general education and degree requirements, (2) complete the Psychology course requirements, and (3) submit an acceptable portfolio.

Program Requirements: Psychology, (B.S.): 120 s.h.

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 1151 - ORIENTATION TO PSYCHOLOGY
  (waived for students entering the program with 45 or more semester hours completed)
- PSY 2206 - RESEARCH METHODS I
- PSY 3353 - CAREER PLANNING
- PSY 4490 - SENIOR SEMINAR

Take one course from the following:

- PSY 4495 - INTERNSHIP
- PSY 4496 - RESEARCH APPRENTICESHIP

- PSY 4497 - INDEPENDENT STUDY
  - Or Choose 6 Upper Division PSY semester hours by advisement
    - School Psychology concentration does not have PSY 4496 or PSY 4497 option

Psychology, Counseling Concentration

The Counseling Psychology Concentration is for students considering careers in counseling or other applications of Psychology to helping people in clinical and human service settings.

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3300 - HELPING SKILLS
- PSY 3301 - THEORIES OF COUNSELING
- PSY 3306 - RESEARCH METHODS II
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Take one course from the following:

- PSY 3345 - ADVANCED SOCIAL PSYCHOLOGY
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 3368 - COGNITION AND MEMORY
- PSY 3550 - APPLIED BEHAVIOR ANALYSIS

Take two courses from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3303 - MARRIAGE AND FAMILY COUNSELING
- PSY 3307 - COUNSELING YOUTH IN SMALL GROUPS
- PSY 3309 - STEREOTYPING AND PREJUDICE
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3392 - CHILD PSYCHOLOGICAL DISORDERS
- PSY 4430 - PERSONALILTY PSYCHOLOGY
- PSY 4445 - ADVANCED COUNSELING SKILLS AND INTERVENTIONS

Psychology, Forensic Concentration

The Forensic Developmental Concentration is for students interested in careers that focus the application of developmental psychology to legal issues. This concentration will serve as a strong foundation for those who want to pursue advanced studies in forensic psychology or in services that are related to legal issues.

- CJA 3262 - CRIMINAL INTERVIEWING AND INTERROGATION *
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3306 - RESEARCH METHODS II
- PSY 3309 - STEREOTYPING AND PREJUDICE
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS
- PSY 4408 - CHILD FORENSIC PSYCHOLOGY
- PSY 4441 - FORENSIC PSYCHOLOGY

*CJA 1100 and CJA 2225 pre-requisites are waived for this course if the student has taken PSY 1101 and has earned 45 or more

credits

Take one course from the following:

- CJA 2350 - VICTIMOLOGY
- CJA 3354 - CRIMINAL LAW *
- CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE
- CJA 3357 - CORRECTIONAL STRATEGIES
- CJA 3365 - CRIMINAL JUSTICE POLICY
- CJA 3395 - DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM
- CJA 4425 - CRIMINAL JUSTICE ETHICS
- CJA 4475 - SERIAL MURDER
- CJA 4496 - SELECTED TOPICS **
- PSY 3392 - CHILD PSYCHOLOGICAL DISORDERS
- SOC 3280 - SOCIOLOGY OF DEVIANT BEHAVIOR
- SWK 3327 - ADDICTION: ASSESSMENT, TREATMENT, & PREVENTION

*CJA 1100 and CJA 2225 pre-requisites are waived for this course if the student has taken PSY 1101 and has earned 45 or more credits

**Must choose a course from the following topics: Crime and Delinquency Prevention, Contemporary Issues in Criminal Justice, Comparative Criminal Justice Systems, or Violent Criminal Behavior

Take one course from the following:

- PSY 3345 - ADVANCED SOCIAL PSYCHOLOGY
- PSY 3368 - COGNITION AND MEMORY
- PSY 3550 - APPLIED BEHAVIOR ANALYSIS

Psychology, General Psychology Concentration

The General Psychology Concentration is for students who want a broad exposure to the sub-disciplines within Psychology. Majors in the General Psychology concentration may not choose a 2nd concentration.

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Take one course from the following:

- PSY 3345 - ADVANCED SOCIAL PSYCHOLOGY
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 3368 - COGNITION AND MEMORY
- PSY 3550 - APPLIED BEHAVIOR ANALYSIS

Psychology Electives

- Take 6 Upper Division (3000 or 4000 level) credits from the PSY prefix
- Take 3 credits from the PSY prefix (any level)

Psychology, Health Concentration

The Health Psychology Concentration is for students interested in the interface between psychological and physical aspects of human beings. Students in this concentration might pursue careers in health applications of psychological science.

- PSY 3306 - RESEARCH METHODS II
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3319 - POSITIVE PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Take one course from the following:

- PSY 2212 - HUMAN SEXUALITY
- PSY 2421 - DEATH AND DYING
- PSY 3290 - LIFE SPAN DEVELOPMENT

Psychology Electives

- Take 6 credits from the PSY prefix (any level)

Psychology, School Psychology Concentration

The School Psychology Concentration is for students interested in pursing advanced studies in school psychology. School Psychologists apply expertise in mental health, learning, and behavior, to help children and youth succeed academically, socially, behaviorally, and emotionally within the school system.

- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3300 - HELPING SKILLS
- PSY 3306 - RESEARCH METHODS II
- PSY 3326 - CHILD & ADOLESCENT DEVELOPMENTAL PSYCHOLOGY
- PSY 3392 - CHILD PSYCHOLOGICAL DISORDERS
- PSY 3500 - SCHOOL PSYCHOLOGY

Take one course from the following:

- PSY 3368 - COGNITION AND MEMORY
- PSY 3550 - APPLIED BEHAVIOR ANALYSIS

Take two courses from the following:

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS
- ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS
- ELE 2260 - ASSESSMENT IN EDUCATION

Take two courses from the following:

- PSY 3307 - COUNSELING YOUTH IN SMALL GROUPS
- PSY 3309 - STEREOTYPING AND PREJUDICE
- PSY 4430 - PERSONALILTY PSYCHOLOGY

Total Credit Hours: 41 - 60

[Archived Catalog]

Psychology, Human Resource Management Concentration

Offered by the Department of Behavioral and Social Sciences

The concentration is designed to provide the knowledge, skills and experiences needed to fulfill traditional and emerging roles in HRM. Recent graduates from the program have gone on to entry-level HRM positions in manufacturing, health care, government, and other settings. Graduates have also pursued advanced study in HRM, industrial-organizational psychology, labor relations, and business. The program combines extensive coursework in psychology with relevant classes from other departments, including Business and Communication.

Please see Psychology, Bachelor of Science, for additional information and learning outcomes.

Program Requirements: Human Resource Management Concentration Psychology, (B.S.): 120 s.h.

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 1151 - ORIENTATION TO PSYCHOLOGY
  (waived for students entering the program with 45 or more semester hours completed)
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 2206 - RESEARCH METHODS I
- PSY 3306 - RESEARCH METHODS II
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- PSY 3353 - CAREER PLANNING
- PSY 4415 - LABOR RELATIONS
- PSY 4416 - COMPENSATION & BENEFITS
- PSY 4490 - SENIOR SEMINAR

Take one course from the following:

- PSY 4495 - INTERNSHIP
- PSY 4496 - RESEARCH APPRENTICESHIP
- PSY 4497 - INDEPENDENT STUDY
  - 6 Upper Division PSY semester hours by advisement

Electives

Take two courses from the following:

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS
- PSY 4430 - PERSONALILTY PSYCHOLOGY
- PSY 4441 - FORENSIC PSYCHOLOGY

Electives

Take four courses from the following:

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 3310 - MANAGING DIVERSITY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP

- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR OR
- SOC 3301 - ORGANIZATIONAL BEHAVIOR

Total Credit Hours: 56 - 68

[Archived Catalog]

Radiologic Technology, Associate of Applied Science

Offered by the Department of Nursing and Allied Health Sciences

Mission

The mission of Mansfield University Radiologic Technology Program is to integrate Mansfield University's liberal arts emphasis to develop competent entry level diagnostic radiographers. As graduates, these radiographers will possess the expertise necessary to meet the needs of the communities they serve, while providing compassionate, patient-centered care.

Goals and Student Learning Outcomes

Goal #1: To provide the health care community with competent, entry-level diagnostic radiographers.

- Students will position patients accurately.
- Students will align the CR accurately.
- Student will select optimal exposure factors.
- Student will apply radiation protection principles.
- Students will successfully perform diagnostic procedures while under the supervision of staff technologists.

Goal # 2: Students will demonstrate appropriate patient communication and education skills.

- Students will identify themselves and the patient, verify the body part to be imaged, and obtain an accurate history.
- Students will explain the procedure and process for obtaining the diagnostic report.

Goal #3: Students will demonstrate problem-solving and critical thinking when performing medical imaging procedures.

- Students will demonstrate critical thinking while performing radiographic procedures.
- Students will evaluate radiographic images for appropriate positioning and image quality.

Goal #4: Students will demonstrate professionalism.

- Students will demonstrate professionalism through appropriate attendance and punctuality.

Goal #5: The program will continuously monitor its effectiveness.

- Students will complete the program.
- Graduates will pass the ARRT Certification Exam on the first attempt.
- Graduates pursuing employment will be employed within twelve months after program completion.

Goal #6: The program will promote graduate and employer satisfaction.

- Graduates will express satisfaction with the training received during the program.
- Employers will express satisfaction with the performance of graduates.

The Mansfield University Radiologic Technology Program trains students to become diagnostic Radiologic technologists. Diagnostic

Radiologic technologists are valued members of the healthcare team involved in imaging body structures and organs using a variety of procedures and sophisticated equipment. Most people are familiar with radiographic chest examinations and know that x-ray examinations are the best way to diagnose broken bones. Diagnostic technologists perform these procedures as well as procedures which require the use of contrast agents that make it possible to study organs and blood vessels that otherwise cannot be seen.

Why choose the Mansfield University Radiologic Technology Program?

- The program is accredited, so standards of excellence are met and students are assured of a quality education.
- The program offers an intensive clinical experience in a small town atmosphere.
- Students gain experience using state-of-the-art digital radiographic equipment and the student/teacher ratio is low.
- The program has an outstanding pass rate on the certification examination.
- Clinical rotations through seven specialty areas associated with Radiology are provided.
- Bloomsburg University Medical Imaging Program Baccalaureate Degree option is available after graduation.

Program Description

The Radiologic Technology Program is an intensive, hands-on two-year training program leading to an associate in applied science (A.A.S.) degree and employment as a Radiology technologist. It is jointly sponsored by Mansfield University, a member of the Pennsylvania State Higher Education System, and Guthrie Robert Packer Hospital, a tertiary care teaching hospital, Level II Regional Trauma Center, and affiliate of the Guthrie Clinic. It is one of several programs in the Mansfield University Department of Nursing and Allied Health Sciences. Students are on the Mansfield, PA, campus the first semester. The remaining three semesters and two summer sessions require clinical and classroom experience at the Guthrie Robert Packer Hospital, in Sayre, PA.

Radiology students attend an orientation session at Guthrie Robert Packer Hospital during the start of the regular 1st spring semester.

When assigned to the Sayre campus, students complete up to 40 clinical/classroom hours per week. The average daily times of attendance are from 8:00 a.m. to 4:00 p.m., Monday through Friday.

While the majority of courses are taught using traditional in-class instruction, some are completed via distance and online learning.

Clinical education includes extensive clinical experience at the Radiology Department of Guthrie Robert Packer Hospital in Sayre, Pennsylvania. Students are routinely assigned to diagnostic areas and gain familiarity with specialty areas by completing a short clinical rotation within each modality. During the second year, each student rotates through an evening clinical assignment that occurs from 4:00 p.m. to 8:00 p.m. Monday through Friday.

Students are subject to the rules and Regulations of both the university and medical center affiliate.

Accreditation

The program is accredited by the Joint Review Committee on Education in Radiology Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, Illinois, 60606-3182. Accreditation standards and additional information can be seen at the JRCERT website: www.jrcert.org. You may also contact the JRCERT by phone: 312-704-5300, 312-704-5304 (fax) or by e-mail: mail@jrcert.org

Career Opportunities

Upon program completion, career opportunities are available in hospitals, imaging centers, medical clinics and mobile units. Although there is no formal job placement service, job opportunities exist throughout the U.S. With additional education or training, radiographers can become certified and pursue employment in specialty areas including Mammography, Ultrasound, MRI, CT, Radiation Therapy, Imaging Informatics and Vascular Interventional Radiography. Graduates who pursue a Baccalaureate Degree may be considered for positions in education or administration.

Admission Requirements

The Radiologic technology program accepts a maximum of ten students annually.

Admission is granted only for the fall semester and the Admissions Committee will select candidates based on:

1. A high school diploma or GED
2. Submission of high school and/or college-level transcripts
3. A completed application form with the non-refundable fee.
4. Preference will be given to candidates with a B or better in preferred science and math courses which include: Algebra I, Algebra II, Geometry, Trigonometry, Calculus, Anatomy and Physiology, Chemistry, Physics, Biology and ACE or AP science and math courses.
5. SAT scores (Preferred high school criteria is a minimum of a 1000 combined score for math and critical reading)
6. Minimum 2.5 cumulative GPA required to be considered for transfer into the Radiologic Program. Transfer candidates must possess a strong science and math background for consideration.
7. A completed personal interview and shadowing experience

Applicants must also comply with program technical standards:

1. Read small print and write legible notes
2. Speak clearly and be understood
3. Handle sterile and non-sterile instruments with dexterity
4. Hear speech when the speaker wears a mask and the listener's ears are covered with a cap
5. Lift, move and assist patients
6. Perform x-ray equipment manipulation
7. Wear a protective apron when necessary
8. Access, without assistance, all clinical areas
9. Perform all CPR movements

Obtaining Program Information and Application

Information and an application form can be obtained by calling the Mansfield University Admissions Office at (570) 662-4243 or 800-577-6826. You may also contact Mary Sullivan, Program Director, at (570) 887-4007. The same information and an online application may also be obtained by visiting www.mansfield.edu .

Application Deadline

To receive proper consideration, applications should be received by the University no later than January 15. Applications submitted after January 15 will be accepted on a space-available basis.

Admission Process

Applicants must submit a completed application with the non-refundable fee to the Mansfield University Enrollment Services Department along with high school/college transcripts and SAT and/or ACT scores. The Enrollment Services Department selects candidates who meet the minimum University admission requirements and forwards their applications and transcripts to the Program Director of the Radiologic Technology Program and the Admissions Committee for review.

Since class size is limited, only applicants with acceptable SAT scores and a solid high school and/or college math and science background and are granted a personal interview. Preferred math and science courses are Algebra I, Algebra II, Geometry, Trigonometry, Calculus, Anatomy and Physiology, Chemistry, Physics, Biology and ACE or AP science and math courses.

During the interview, applicants will receive information about the program and will participate in a shadowing experience within the Guthrie Robert Packer Hospital Radiology Department. Interviewees will receive information regarding their acceptance status from the Mansfield University Admissions Office within approximately two weeks following the interview.

Applicants who receive a rejection letter may reapply to the program after completing math and science college level courses. Courses completed must include BSC 1121 Anatomy and Physiology I and MA 1128 College Algebra at Mansfield University. A minimum grade of grade of "C-" must be attained in each course to be reconsidered for acceptance. Applicants who request re-consideration will be admitted on a space-available basis and their scores will be considered with other applicant scores at the time of re-consideration.

Alternate Status

In addition to the ten majors, the program accepts a minimum of three alternate students annually. Alternate status enables the applicant to begin his/her studies at Mansfield University in the fall semester under the Academic Exploration Program and take all the required courses within the Radiology program's fall curriculum.

If an opening occurs during the fall semester, alternate students will be considered for full acceptance into the program. Alternate students who are accepted must attain at least a grade of "C" in each course, and those with the highest numerical average of grades in BSC 1121 Human Anatomy & Physiology I, XRT 1010 X-ray Technology I, and MA 1128 College Algebra will be accepted first.

If alternate students are not accepted into the program during the fall semester, they may continue taking general education courses required within the Radiologic Technology Program at Mansfield University. They are guaranteed acceptance into the Radiologic Technology Program for the following spring provided they have attained a minimum grade of "C" in XRT 1010 X-Ray Technology I, and a minimum grade of C- in BSC 1121 Human Anatomy and Physiology I and MA 1128 College Algebra. They must also attain a passing grade in all attempted general education courses within the Radiology program's curriculum.

Transfer Credit

Appropriate credit may be given for comparable college-level course work. Ms. Rachel Green by phone: (570) 662-4815 or by e-mail: rgreen@mansfield.edu.

Change of Major

Any Mansfield University student who would like to be considered for acceptance into the Radiologic Technology Program must notify the Program Director by phone: (570) 887-4007 or by e-mail: msulliva@mansfield.edu or MaryK.Sullivan@guthrie.org. Students must contact the registrar's Office at Mansfield University and request that the following documents be sent to the program Director:

1. Student's original application to Mansfield University
2. All post-secondary transcripts including the Mansfield University transcript

The Admissions Committee will consider the request using the same acceptance criteria as for external applicants. All candidates are notified of their final application status by the Program Director. Upon notification of acceptance, candidates must submit a completed Change of Major form to the Program Director.

Students Requesting Academic and/or Access Accommodations

Students with documented learning disabilities, physical challenges, or other significant medical conditions that may affect their learning in this course should meet with the Services for Students with Disabilities (SSD) Coordinator in the SSD Office located in the Department of Academic and Human Development (144 South Hall, Phone: 662-4436) as soon as possible. It is recommended that students contact the SSD Coordinator during the first two weeks of classes in order to ensure accommodations are met in an efficient, appropriate, and timely manner for the best student learning outcome. The Coordinator will arrange to provide your professors with a suitable letter so that we may serve your particular needs more effectively. If you have a disability that requires classroom or testing accommodations, the Coordinator will also clarify appropriate arrangements.

Health Insurance and Background Check Requirements

To be allowed to treat patients at Guthrie Robert Packer Hospital and other affiliated hospitals, each Radiology student must comply with the health, insurance, and background check requirements established by the hospital and/or state health department. Each Radiology student must provide the Program Director with documentation of the following:

A. Health and Insurance Requirements:

1. Two MMR (measles, mumps, rubella) vaccinations, or rubella and rubeola titers confirming immunity. (For students born before January 1, 1957, a rubella titer is not needed.)

2. Two chicken pox (varicella) immunizations or varicella titer confirming immunity.

3. Hepatitis B immunization (Series of Three).

4. A T-spot blood test to determine if student has antibodies (has been exposed) to Tuberculosis no sooner than 3 months prior to beginning clinical rotations.

5. TDAP (Tetanus, diphtheria and pertussis) shot within the last ten years.

6. Flu shot for the current flu season.

7. A negative 10-panel urine drug screen completed within 30 days of beginning courses on the Guthrie/Robert Packer Hospital campus.

8. A signed waiver indicating that the Radiologic Technology student will not participate in the care of patients with certain respiratory illnesses (Tuberculosis, COVID-19) (Provided by Instructor during first semester).

9. Evidence of personal health insurance. A photocopy of your insurance card will suffice. For students who do not have health insurance, or are no longer covered by their parents' healthcare plan, consider www.healthcare.gov.

10. Proof of professional liability insurance. Students may purchase the required minimum coverage, $1,000,000 each incident/$3,000,000 aggregate, at www.proliability.com

B. Criminal and Child Abuse Background Checks **This process can take 4-8 weeks*

1. Pennsylvania State Police Criminal History Record (SP4-164)

2. Department of Human Services Child Abuse Report CY-113

3. Federal Criminal History Record information (CHRI) - FBI Report
FBI Service code: 1KG756

Links for all 3 background checks can be found here:
http://keepkidssafe.pa.gov/resources/clearances/index.htm

Specific instructions for completing Criminal background checks will be provided by the Program Director after acceptance into the program. Please carefully read and follow directions for completing background checks.

Expenses incurred meeting the above requirements are the responsibility of the student. Students who fail to complete the Health requirements and/or submit documentation will be denied access to clinical and laboratory classes during the first spring semester. Students must keep a copy of all submitted documentation for their records.

Tuition, Fees, Housing, and Dining

Current information concerning tuition, miscellaneous fees, housing fees, and dining fees may be obtained from the University Office of Student Accounts (telephone 570-662-4888) or by visiting the University web site (www.mansfield.edu). Housing and dining facilities are available both on the Mansfield and Sayre campuses. Information concerning housing and dining on the Mansfield campus is available from the Office of Residence Life & Housing, 120 Pinecrest Manor, Mansfield, PA 16933 (phone: 570-662-4934). Housing on the Sayre campus is limited, but priority for housing is given to freshmen and sophomore students. For information about housing and dining at the Sayre campus, contact Judith Brayer, Coordinator of Student Services, by telephone at (570) 887-4716 or by e-mail: jbrayer@mansfield.edu.

Medical and Professional Liability Insurance

All students must have health and professional liability insurance to participate in clinical experiences at all Guthrie Health facilities.

Transportation to Clinical Sites

Students must provide their own transportation to and from the program's clinical sites, Guthrie Robert Packer Hospital and Troy Community Hospital.

Program Grade Standards

Radiology students are subject to all Mansfield University policies plus the following Radiologic Technology Program standards:

1. A minimum grade of C- in BSC 1121 Human Anatomy & Physiology and MA 1128 College Algebra is required for enrollment in the

Radiology courses in Sayre.

2. A minimum grade of C must be achieved in all professional courses (those with an XRT prefix) and modules. Any module grade below C will result in failure of the entire course. Any student receiving a C- or lower grade cannot continue in the program until the course is repeated and a C or higher grade is attained.

3. Professional courses can be repeated only once. Students will be readmitted on a space available basis. Any student who fails to earn at least a grade of C upon completion of the repeated course will be dismissed from the program.

4. All degree work must be completed within three years.

Graduation Requirements

- Earn at least a "C" grade for each course attempted in the major (XRT courses).
- Earn at least a "C-"grade for Human Anatomy and Physiology I and College Algebra.
- Achieve at least the minimum G.P.A of 2.0.
- Complete the course requirements for general education and the major.
- Achieve all of the Radiologic Technology Program's terminal competencies.
- Satisfy all financial obligations to Mansfield University and Guthrie Health.
- Submit an Application for Graduation online via WebAdvisor at least one year prior to graduation.
- Complete the ARRT clinical competency requirements.

Certification Examination

Graduates of the program are eligible to sit for the national certification examination of the American Registry of Radiologic Technologists (ARRT). Candidates must meet all ARRT requirements including ethical standards. Conviction of a crime (felony, gross misdemeanor, or misdemeanor) and drug/alcohol related violations can affect eligibility to sit for the examination. ARRT investigates all potential violations in order to determine eligibility. Some states require additional state license. For many states, the ARRT certification satifies state requirements for lincensure. Information regarding state licensing can be found here: https://www.arrt.org/pages/about-the-profession/state-licensing.

Certified radiographers may use the letters R.T. (R) after their names.

The program boasts an outstanding pass rate on the certification examination.

Program Effectiveness Data

The performance of radiography programs is summarized by program effectiveness data which includes the program completion rate, credentialing examination pass rate and job placement rate. The data is required by the Joint Review Committee on Education in Radiology Technology (JRCERT) (20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182, 312-704-5300, www.jrcert.org). The Mansfield University Radiologic Technology Program's most current effectiveness data is found below. This information can also be obtained at www.jrcert.org/resources/program-effectiveness-data.

Credentialing Examination Pass Rate *This is the number of graduates passing the American Registry of Radiologic Technologists (ARRT) certification examination on the first attempt within 6 months of graduation divided by the number of graduates who attempted the exam within 6 months.*				
2019	**2018**	**2017**	**2016**	**2015**

100% *8/8 graduates passed on the first attempt*	**100%** *9/9 graduates passed on the first attempt*	**100%** *10/10 graduates passed on the first attempt*	**87%** *7/8 graduates passed on the first attempt*	**87%** *7/8 graduates passed on the first attempt*
For the five-year range listed above 41 of the 43 graduates passed the ARRT Certification Exam within six months of graduation				

Job Placement Rate

This is the number of graduates employed within twelve months of graduation compared to the number of graduates actively seeking employment in the radiologic sciences.

2019	**2018**	**2017**	**2016**	**2015**
100% *6/6 graduates who sought employment gained employment*	**100%** *6/6 graduates who sought employment gained employment*	**83%** *5/6 graduates who sought employment gained employment*	**100%** *8/8 graduates who sought employment gained employment*	**100%** *7/7 graduates who sought employment gained employment*
5-year Average Job Placement Rate Within Twelve Months of Graduation: 97% **For the five-year range listed above, 32 of 33 graduates who sought employment in the radiologic sciences obtained employment within twelve months of graduation**				

Program Completion Rate

This is the number of students for each listed cohort who complete the program within 150% (36 months) of the stated program length of 24 months divided by the number of students who initially started with the cohort.

2019	**2018**	**2017**	**2016**	**2015**
73% *8 students graduated/11 students began the program*	**90%** *9 students graduated/10 students began the program*	**100%** *10 students graduated/10 students began the program*	**80%** *8 students graduated/10 students began the program*	**73%** *8 students graduated/11 students began the program*

Job Placement

Although the Radiology program does not provide job placement, graduates maintain an excellent record of job procurement.

Bloomsburg University Bachelor of Science Degree Option

Under the terms of an articulation agreement between Mansfield University and Bloomsburg University, graduates from the Mansfield University Radiologic Technology Program are guaranteed admission with advanced standing at the junior level to Bloomsburg University. Following successful completion of the BU Medical Imaging Program, graduates will earn a Bachelor of Science Degree. Mansfield University

(MU) and Bloomsburg University (BU) officially confirm the following terms of this agreement:

1. After admission to MU, an interested student signs a letter of intent to transfer to BU at the time the Associate in Applied Science Degree is completed.
2. The Office of Admissions at BU reserves a place for the student as a junior year transfer student upon receipt of the student's letter of intent.
3. One year prior to matriculation at BU, the student confirms the intent to enroll by completing the transfer admissions application.
4. BU accepts all 71 credits from MU.
5. A minimum of 48 additional semester hours of credit must be completed to be awarded the BU Bachelor of Science Degree. BU residency requirements must be observed (30 credits from BU).For more information please contact:

Judith A. Kipe-Holt, Ph.D., Professor, Biology & Allied Health Sciences
Bloomsburg University, 400 East 2nd Street, Bloomsburg, PA 17815
269 Heartline Science Center
Phone: 570-389-4319
Fax: 570-389-3018

Program Requirements: Radiologic Technology (A.A.S.): 71 s.h.

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR
- MA 1128 - COLLEGE ALGEBRA
- PHL 3380 - HEALTH CARE ETHICS
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- XRT 1010 - X-RAY TECHNOLOGY I
- XRT 1020 - X-RAY TECHNOLOGY II
- XRT 1030 - X-RAY TECHNOLOGY III
- XRT 1040 - X-RAY TECHNOLOGY IV
- XRT 1105 - X-RAY TECHNOLOGY V
- XRT 1106 - X-RAY TECHNOLOGY VI
- XRT 1107 - FUNDAMENTALS OF RADIOLOGIC SCIENCE AND HEALTH CARE
- XRT 1108 - MEDICAL TERMINOLOGY FOR THE RADIOGRAPHER
- XRT 2203 - X-RAY PHYSICS
- XRT 2221 - CLINICAL COURSE I
- XRT 2222 - CLINICAL COURSE II
- XRT 2223 - CLINICAL COURSE III
- XRT 2224 - CLINICAL COURSE IV

- XRT 2225 - CLINICAL COURSE V

Total Credit Hours: 71

[Archived Catalog]

Respiratory Care, Bachelor of Science

Offered by the Department of Nursing and Allied Health Sciences

Mansfield University's Bachelor of Science in Respiratory Care program blends the resources of a public university and regional medical centers. This collaboration leads to a program that is academically and clinically strong.

This program has a record of 100% employment of its graduates. Graduates are employed in hospitals, skilled nursing facilities and rehabilitation facilities, home care, physician offices, the pharmaceutical industry, medical equipment companies, clinical research facilities, and colleges and universities. The U.S. Bureau of Labor Statistics (https://www.bls.gov/ooh/healthcare/respiratory-therapists.htm) states that employment of respiratory therapists nationally is projected to grow 23 percent from 2016 to 2026, much faster than average for all occupations.

Students spend their first two years on the Mansfield campus taking courses in general education and an introductory course in respiratory care. The second two years are at the Sayre campus where they engage in a large variety of clinical experiences at Robert Packer Hospital and other area hospitals. The use of simulation as a learning strategy is an integral part of the program curriculum. Embedded within the program curriculum is credentialing in Basic Life Support (BLS), Advanced Cardiovascular Life Support (ACLS), Pediatric Life Support (PALS) and Neonatal Resuscitation Protocol (NRP).

Respiratory therapists care for patients with breathing difficulty in hospitals, skilled nursing facilities, physician offices, and the home. The patients range from the premature newborn infant with underdeveloped lungs to the elderly patient with chronic lung disease. Therapists routinely interview and perform physical examination of patients, administer diagnostic breathing tests, develop treatment plans, collaborate with the physician and other members of the healthcare team, administer breathing treatments such as aerosol medication and chest physical therapy and document patient response to therapy. As a life support specialist, therapists provide emergency care such as CPR and mechanical ventilation to patient suffering from disorders such as pneumonia, major trauma, shock, heart attack, or acute respiratory failure. Specialty areas available to the therapist include pediatric and neonatal care, adult critical care, emergency medicine, pulmonary function testing, patient transport, pulmonary rehabilitation, home care, patient education, respiratory care education, clinical research, and health care administration. Additional information concerning the respiratory care profession is available at the American Association for Respiratory Care website, www.aarc.org.

The Mansfield University respiratory care program is fully accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Harwood Road, Bedford, Texas 76021, (817)283-2835 (www.coarc.com). Outcomes data for this and other accredited respiratory care programs may be found at the CoARC website.

Mission

The mission of the Mansfield University respiratory care program is to integrate Mansfield University's liberal arts emphasis with knowledge, skills, and values that promote the health and well-being of the people and the communities we serve. Through this integration, graduates will meet the standards of respiratory care practice defined by the professional credentialing agency, the National Board for Respiratory Care (NBRC), and the professional accrediting agency, the Commission on Accreditation for Respiratory Care (CoARC).

Vision

The Mansfield University baccalaureate in respiratory care program will produce graduates who are recognized for their excellence in practice.

Values

The Mansfield University respiratory care faculty value the Mansfield University's Creed as follows:

Scholarship: We enthusiastically embrace student learning. We believe students should be actively engaged learners in and out of the classroom. We believe faculty and students should be life-long learners.

Character: We provide an environment which encourages personal accountability, integrity, honest, and courage. We create an atmosphere which promotes and fosters integrity and professionalism.

Culture: We celebrate the uniqueness of individuals with whom respiratory care professionals interact. Opportunities are provided for students to learn about cultural competence and social justice.

Service: We support our community and embrace service learning. We encourage our students to participate in volunteer activities.

Program Goals:

- Prepare students as registered respiratory therapists.
- Prepare competent respiratory care practitioners for advanced level careers in respiratory care (educators, researchers, managers, clinical specialists, respiratory care equipment sales representatives, and in other roles throughout the healthcare system.
- Prepare students for leadership roles, professionalism, and a commitment to lifelong learning in respiratory care related fields.

Student Learning Outcomes

- RC program graduates will demonstrate the clinical knowledge, professional attributes, and interpersonal and inter-professional communication relevant to the role of a registered respiratory therapist.
- RC program graduates will demonstrate the technical proficiency in all skills necessary to fulfill the role of a registered respiratory therapist.
- RC program graduates will demonstrate personal behaviors consistent with professional and employer expectations for a bachelor degree registered respiratory therapist.

Program Requirements: Respiratory Care (B.S.): 120 s.h.

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES
- MA 1128 - COLLEGE ALGEBRA
- PHL 3380 - HEALTH CARE ETHICS
- PSY 3290 - LIFE SPAN DEVELOPMENT
- RTH 3110 - PULMONARY FUNCTION TESTING
- RTH 3112 - ARTERIAL BLOOD GASES
- RTH 3121 - CLINICAL PRACTICUM I
- RTH 3204 - RESPIRATORY CARE PHARMACOLOGY
- RTH 3205 - RESPIRATORY DISEASE I
- RTH 3210 - RESPIRATORY CARE IN ALTERNATIVE SITES
- RTH 3211 - MECHANICAL VENTILATION I
- RTH 3222 - CLINICAL PRACTICUM II
- RTH 3301 - FUNDAMENTALS OF RESPIRATORY CARE I

- RTH 3303 - FUNDAMENTALS OF RESPIRATORY CARE II
- RTH 3506 - RESPIRATORY DISEASE II
- RTH 3523 - CLINICAL PRACTICUM III
- RTH 4108 - PERINATAL/PEDIATRIC RESPIRATORY CARE
- RTH 4111 - MECHANICAL VENTILATION II
- RTH 4112 - ADVANCED CARDIOPULMONARY CARE
- RTH 4124 - CLINICAL PRACTICUM IV
- RTH 4216 - RESPIRATORY CARE LEADERSHIP AND MANAGEMENT
- RTH 4224 - RESPIRATORY THERAPY SEMINAR
- RTH 4225 - CLINICAL PRACTICUM V

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL

Total Credit Hours: 81

[Archived Catalog]

Safety Management, Bachelor of Science

Offered by the Department of Natural Sciences

Environmental Health and Safety is a critical component of most construction, industrial, business and government settings. This program provides students with basic knowledge and professional skills in safety science and management. Special attention is given to OSHA rules and regulations covering the workplace. Students in this program receive specific preparation for managing work site safety. Coursework covers studies in areas as diverse as communication and leadership, the regulation of health and safety, and related environmental issues. Graduates will want to consider sitting for the examinations that lead to recognition as a Certified Safety Professional.

Program Objectives:

The Mansfield BS Program in Environmental Health and Safety will prepare graduates for:

- Professional careers in safety management
- Entrance to the examination to qualify as a Certified Safety Professional.

Program Learning Outcomes:

Students completing Mansfield's BS Program in Environmental Health and Safety will be prepared to:

- Describe the roles and responsibilities of professional safety managers.
- Identify and apply the relevant laws, standards, and regulations that affect personal and environmental safety.
- Describe the critical human factors that affect health and safety in the workplace.

Program Requirements: Safety Management (B.S.): 120 s.h.

- GEOS 1000 - ORIENTATION TO GEOSCIENCES
- GEOS 4500 - SENIOR SEMINAR
- MA 1125 - INTRODUCTORY STATISTICS
- SFM 1101 - INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY
- SFM 1800 - JOB SITE SAFETY
- SFM 3000 - REGULATION OF INDUSTRIAL HEALTH AND SAFETY
- SFM 3001 - SAFETY PROGRAM MANAGEMENT
- SFM 3002 - CRITICAL INCIDENT MANAGEMENT
- SFM 3003 - HUMAN FACTORS IN SAFETY
- SFM 3100 - FIRE SAFETY
- SFM 3200 - INDUSTRIAL HYGIENE

Take one course from the following:

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I

Professional Sequence

- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- ENG 3371 - PROFESSIONAL WRITING
- GEG 1122 - ENVIRONMENTAL ISSUES
- MA 1135 - MATH APPLICATIONS IN INDUSTRY
- REC 1380 - TEAM BUILDING / LOW ROPES ELEMENTS

Take one course from the following:

- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1112 - GENERAL CHEMISTRY II

Take one course from the following:

- HPE 3340 - FIRST AID and CPR
- HPE 3353 - FIRST AID AND CPR INSTRUCTOR

Take 12 credits from the following (at least 9 credits must be at the Upper Division level):

- CHE 1120 - INTRODUCTION TO GLOBAL COMMUNITY HEALTH EDUCATION

- CHE 4433 - HEALTH PROMOTION OR
- NUR 4433 - HEALTH PROMOTION

- CHE 4465 - RURAL HEALTH ISSUES OR
- NUR 4465 - RURAL HEALTH ISSUES

- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- COM 3325 - INTERPERSONAL COMMUNICATION
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA
- GEL 1125 - PHYSICAL GEOLOGY
- GEL 2810 - OIL AND GAS GEOLOGY
- GEOS 1625 - SURFACE HYDROLOGY
- GEOS 2880 - ENVIRONMENTAL IMPACT ASSESSMENT
- GEOS 3105 - ENVIRONMENTAL PERMITTING
- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES
- PHL 3380 - HEALTH CARE ETHICS
- PSY 3310 - SOCIAL PSYCHOLOGY
- SOC 3360 - SOCIOLOGY OF MEDICINE

- SFM 3020 - PRACTICUM OR
- SFM 4495 - INTERNSHIP

Total Credit Hours: 65

[Archived Catalog]

Social Work, Bachelor of Social Work

Offered by the Department of Behavioral and Social Sciences

The B.S.W. degree prepares its graduates to practice in the challenging field of helping others improve the quality of their lives. From working one-on-one with individuals and families, to conducting group work, to engaging organizations and entire communities, social workers are found in a variety of settings, striving to improve the world in which we live. B.S.W. program graduates are trained as generalists, where skills can be transferred from one setting to another. Often, social workers begin their careers in settings such as child welfare, mental health, drug and alcohol programs, hospitals, nursing homes, and neighborhood centers, to name a few. Coursework focuses on students developing self-awareness and a deeper understanding and appreciation of diversity and the complexities of today's world. The program features four practice courses, each one geared towards the practical application of learning skills with which to practice with individuals, families, group, and communities and organizations. With its highly-qualified and experienced faculty, the program engages students in several hands-on opportunities that culminate in an internship experience during their last semester prior to graduation. Extracurricular activities provide students with further opportunities to hone their people skills and gain experience in helping others. Nationally accredited since 1983, the program allows graduates to apply for advanced standing in graduate schools of Social Work. Advanced standing allows students to complete an MSW in one calendar year rather than two, if attending classes full-time. For those interested in obtaining their MSW, this represents a significant cost savings for graduate school.

Mansfield University's Social Work Program is accredited by the Council on Social Work Education (CSWE) at the Baccalaureate level, 1701 Duke Street, Suite 200, Alexandria, VA 22314, 703-683-8080, http://www.cswe.org/. This national accreditation ensures that the quality of the program merits public confidence and meets the highest scrutiny available in Social Work education.

Mission

The mission of the Mansfield University Social Work Program is to prepare baccalaureate social workers in the betterment of society, guided by the knowledge, values and skills of the profession. Consistent with the mission of a small public university grounded in a liberal arts education, we are committed to promoting leadership development through character, scholarship, cultural awareness and service to humanity.

Program Goals

The four Social Work Program goals derived from the mission statement are to:

1. Educate future social workers who will lead the profession in service to their communities (local, regional and beyond).
2. Provide an academically challenging curriculum that models the tenets, values and ethics that serve as a foundation for generalist social work practice.
3. Promote social justice through critical inquiry.
4. Provide field education that enhances the student's connection between theory and application, and increases awareness of diversity and research-informed practice.

Program Competencies

The program's curriculum is designed to prepare graduates for generalist practice through the mastery of competencies, those measurable practice behaviors that are comprised of knowledge, values and skills. The nine competencies insure that students will:

- Demonstrate ethical and professional behavior
- Engage difference and diversity in practice
- Advance human rights and social, economic, and environmental justice
- Engage in practice-informed research and research-informed practice
- Engage in policy practice
- Engage with individuals, families, groups, organizations and communities
- Assess individuals, families, groups, organizations and communities
- Intervene with individuals, families, groups, organizations and communities
- Evaluate practice with individuals, families, groups, organizations and communities

Admission requirements

Formal admission to the Social Work Program is obtained by applying to the university through the Office of Admissions or completing the appropriate university form requesting to major in Social Work.

Continuation requirements

Throughout their professional studies, students are expected to demonstrate the required academic and professional performance for continuation in the Social Work Program. First, the student completes SWK 2246, a pre-professional course that requires the completion of a shadow experience. Next, before the major enrolls in their first practice class (SWK 3350, SWK 3351, SWK 3352, or SWK 3353), the student applies for candidacy into the Social Work program. The completed candidacy application is reviewed by the Faculty Evaluation Committee and must be approved before practice courses are taken. The student is evaluated on the candidacy application, the record of grade achievement (evidenced by a cumulative QPA of 2.50 or greater), evidence of professional commitment and participation in the field of Social Work, and the adherence to the National Association of Social Workers' Code of Ethics.

Field Education requirements

Prior to enrolling in Field Education and Field Seminar (SWK 4452 and SWK 4453), an application for Field Education must be completed by the student and approved by the Faculty Evaluation Committee. The student is evaluated on their record of grade achievement in practice courses (students who have any grade below a C+ in SWK 3350, SWK 3351, SWK 3352 must address the deficits in an interview with the Field Director), evidence of continued professional commitment and participation in the field of Social Work, and evidence of continued commitment to the National Association of Social Workers' Code of Ethics. All Social Work-required course work must be completed prior to the semester is which Field Education and Field Seminar are taken.

Life or work experience credit

Students admitted to the program may not receive credit toward the BSW degree for life experience or previous work experience. Internship credits received in associate degree programs may not be applied towards the BSW Field Education requirements.

Program Requirements: Social Work, (B.S.W.) 120 s.h.

- BSC 1104 - HUMAN BIOLOGY
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

Orientation

- SWK 2246 - PROFESSIONAL IDENTITY AND PRE-PRACTICE EXPERIENCE
- SWK 2500 - DIVERSITY AND SOCIAL JUSTICE

Professional Foundations

- SWK 1800 - INTRODUCTION TO SOCIAL WORK
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II
- SWK 3321 - CHILD WELFARE
- SWK 3330 - SOCIAL POLICY

Professional Elective

Take one course from the following:

- SWK 3320 - HEALTHY AGING AND PROFESSIONAL PRACTICE SKILLS
- SWK 3322 - TRAUMA IN SOCIAL WORK
- SWK 3323 - LEADERSHIP IN SOCIAL WORK
- SWK 3324 - SOCIAL WORK AND HEALTH CARE
- SWK 3325 - PSYCHOPATHOLOGY AND SOCIAL WORK PRACTICE
- SWK 3326 - SOCIAL WORK AND CASE MANAGEMENT
- SWK 3327 - ADDICTION: ASSESSMENT, TREATMENT, & PREVENTION

Research and Practice

- SWK 3308 - EVALUATION RESEARCH
- SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS
- SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS
- SWK 3352 - SOCIAL WORK PRACTICE WITH FAMILIES
- SWK 3353 - SOCIAL WORK PRACTICE WITH INDIVIDUALS
- SWK 4452 - FIELD EDUCATION
- SWK 4453 - FIELD SEMINAR

Total Credit Hours: 64

[Archived Catalog]

Sociology, Bachelor of Arts

Offered by the Department of History, Education, Philsophy, Political Science, and Sociology

Sociology is the scientific study of human social behavior and social organizations. Sociologists examine the processes and patterns of interaction between individuals, groups, societies, and nations. They seek to explain how social forces influence individual behavior, the organization, and behavior of social groups, and their interrelationships. Sociology focuses on empirical investigation of social facts, critical evaluation of information, and professional presentation of results. It also includes the development and advancement of sociological theory. Our applied program provides sociological research skills such as report writing, research design, data collection and analysis, problem-solving, and computer knowledge. These skills are highly sought after in many professional fields.

The Bachelor of Arts degree in sociology is a good choice for students who are interested in working with people in social or public service, personnel, managerial or administrative positions. Careers in sociology, law, counseling, and research are possible with graduate training. Many of our students participate in internships where they may choose from existing positions or create one specific to their interests.

Program Objectives:

Sociology Mission

The Sociology program at MU provides all students with high quality theoretical, methodological, applied and substantive learning opportunities and real-world research or internship experiences. Sociology majors will become students of our discipline focused on understanding social behavior, society, social conflict, and change. They will be prepared to become professionals in social science occupations. In addition, the program introduces general education students to social science knowledge and skills while at the same time broadening their general skills such as communication, analytical, critical and conceptual thinking.

We are committed to assisting students to develop their sociological imagination through learning to define, analyze, and understand human social behavior. We prepare them to understand the symbols, shared meanings, structures and patterns upon which everyday social life rests. Therefore, we are dedicated to equipping all of our students with a broad and rigorous view of the social world that is consistent with the goals of a liberal arts education.

The mission of the Sociology program reflects the creed of Mansfield University by recognizing the importance of character, scholarship, culture, and service. Our program embraces the richness of multicultural diversity by emphasizing a broad, yet in-depth understanding of culture and society. In addition, by promoting cultural relativism, it fosters comprehension of the struggles and interdependencies in the global community. Our curriculum includes opportunities for students to discover society through research and to serve the community through action and involvement.

Program Learning Outcomes:

Sociology Program Learning Outcomes

1. The sociological imagination.

   Students will be able to:

- describe how Sociology is distinct from other social sciences.
- apply the sociological imagination to social phenomena

2. The role of sociological theory.

   Students will be able to:

   - describe the role of theory in building sociological knowledge.
   - compare and contrast the different theoretical perspectives.
   - apply these theories to social conditions.

3. Data analysis.

   Students will be able to:

   - understand the role of data analysis in building sociological knowledge and testing theory.
   - use computer software for statistical analysis.
   - understand appropriate statistical techniques.
   - draw valid conclusions from the data analysis.

4. Culture, social structures and the diversity of human societies.

   Students will be able to:

   - describe different social institutions and their various influences on the individual.
   - explain how the aforementioned institutions are interrelated.
   - explain and evaluate them using sociological theory.
   - describe the significance of variation by race, class, gender, religion, and age.
   - justify policy recommendations to address social inequalities.

Additional Student Learning Outcome for Sociology of Healthcare

5. Healthcare and society: to understand in-depth at the healthcare issues within sociology:

   Students will be able to:

   - understand the macro-micro emphasis and compare and contrast theories of health and health care organizations.
   - show how social issues of health and healthcare can be better understood by emphasizing the micro/macro connections.
   - demonstrate how sociology helps understand society health needs and issues.
   - describe the gender and diversity issues that create social inequality in health and healthcare systems.
   - evaluate health care systems through sociological knowledge.

Program Requirements: Sociology (B.A.): 120 s.h.

- MA 1125 - INTRODUCTORY STATISTICS

Core

Introduction

- SOC 1101 - INTRODUCTION TO SOCIOLOGY

Take one course from the following:

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2260 - SOCIAL STRATIFICATION

Theory and Methods

- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SOC 4480 - SOCIAL SCIENCE THEORY
- SOC 4495 - SENIOR SEMINAR

Applied Health Care Concentration

- PHL 3380 - HEALTH CARE ETHICS

Take one course from the following:

- HST 3273 - HISTORY OF MEDICINE
- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE
- NUR 4402 - WOMEN'S HEALTH ISSUES
- NUR 4427 - SHAPING THE NURSING PROFESSION: A HISTORY OF NURSING IN THE US
- NUR 4433 - HEALTH PROMOTION

Take one course from the following:

- NTR 2211 - INTRODUCTION TO NUTRITION
- NTR 3300 - CULTURAL NUTRITION

Take three courses from the following:

- SOC 3322 - SOCIOLOGY OF AGING
- SOC 3342 - ENVIRONMENTAL SOCIOLOGY
- SOC 3360 - SOCIOLOGY OF MEDICINE
- SOC 3365 - DISABILITY AND SOCIETY

Sociology Electives - 3 credits

General Applied Concentration

Sociology Electives - 21 credits

Total Credit Hours: 39

[Archived Catalog]

Substance Use and Behavior Disorder Counseling, Associate of Science

Offered by the Department of Behavioral and Social Sciences

The Associates degree in Addiction and Substance use disorders, prepares its graduates to practice in the field of substance use and behavior disorder treatment. Graduates will be able to apply learned skills to help individuals who are living with addiction or substance use issues improve the quality of their lives. Coursework focuses on students developing professional and ethical standards, communication skills, basic counseling skills, interviewing, record keeping, resource advocacy, and a deeper understanding and appreciation of behavioral and substance use disorders. The degree features three semesters of coursework followed by a 12 credit internship where the student will be able to connect the knowledge and skills obtained in the classroom with those that are practiced in the field.

Program Objectives:

1. Provide students who will lead the profession in service to those who are living with behavioral and substance use disorders with the basic skills necessary to provide such services.
2. Provide field education that enhances the student's connection between theory and application, and increases awareness of diversity and research-informed practice.

Program Learning Outcomes:

After successful completion of the A.S. Degree students will be able to:

- Demonstrate the ability to perform basic counseling skills:
  - Engage with individuals, families, groups, organizations and communities.
  - Assess individuals, families, groups, organizations and communities.
  - Intervene with individuals, families, groups, organizations and communities.
  - Evaluate practice with individuals, families, groups, organizations and communities
- Demonstrate ethical and professional behavior.
- Engage difference and diversity in practice.
- Advance human rights and social, economic, and environmental justice.

Program Requirements: Substance Use and Behavior Disorder Counseling, (A.S.) 60 s.h.

General Education requirements:

- ENG 1112 - COMPOSITION I
- FYS 1100 - FIRST YEAR SEMINAR

  - 3 credits Humanities

- 3 credits Mathematics or Natural and Physical Sciences
- 3 credits Social and Behavioral Sciences

- 6 credits Themes
  - 3 credits Strand 2: Environmental, Economic, Social, and Personal Sustainability

- HPE 3340 - FIRST AID and CPR
- 3 credits Strand 1: Ethics and Civic Responsibility and / or Strand 3: Arts and the Human Experience

Take one course from the following:

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

Major requirements:

- CHM 1105 - HOW DRUGS WORK
- SWK 1800 - INTRODUCTION TO SOCIAL WORK
- SWK 2246 - PROFESSIONAL IDENTITY AND PRE-PRACTICE EXPERIENCE
- SWK 2500 - DIVERSITY AND SOCIAL JUSTICE
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3325 - PSYCHOPATHOLOGY AND SOCIAL WORK PRACTICE
- SWK 3327 - ADDICTION: ASSESSMENT, TREATMENT, & PREVENTION

Field Experience

- SWK 2800 - SUBSTANCE USE & BEHAVIOR DISORDER COUNSELING FIELD PRACTICUM

3 credits Free Electives

Total Credit Hours: 60

[Archived Catalog]

World Languages and Cultures, Bachelor of Arts

Offered by the Department of Art, Communication, English, and World Languages

Whether you are interested in a language-intensive career (such as a translator, interpreter, teacher or professor of languages, regional area specialist, or international businessperson) or whether you are looking to enhance your career portfolio with language skills and cultural awareness, the undergraduate coursework in the World Languages and Cultures (WLC) Program at Mansfield University will help you build the analytical, critical, and communicative skills necessary for leadership in your career. Because our program emphasizes cultural awareness, our students learn how language shapes their relationship with others and vice versa. We are proud to help Mansfield students become global professionals in a multilingual, multicultural, and multinational world.

The WLC program emphasizes four basic language skills: listening, speaking, reading, and writing. We encourage our students to increase their proficiency through advanced courses and through study abroad. And, whenever it is possible, we encourage them to apply their language skills to other areas of their academic, personal, and professional life.

Currently the WLC BA major offers three concentrations of undergraduate language study: French, German, and Spanish. Each concentration includes these core requirements:

1. Topics in WLC (Intro to Paris, Intro to German Film, or Intro to Latin American Cultures)
2. Phonetics & Language Structures
3. World Literature in Translation
4. A WLC capstone project
5. A required period of study abroad (courses taken abroad must be approved by your advisor)
6. Target-language intensive courses at MU

All WLC majors must take the ACTFL Oral Proficiency Interview to assess their proficiently level before they graduate.

Program Objectives:

Student Learning Outcomes:

- WLC graduates will understand and speak the target language at an intermediate-high or advanced-low level as described in the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines.
- WLC graduates will read and write in the target language at the intermediate-high or advanced-low level.
- WLC graduates will be able to comprehend, analyze, and communicate the significance of linguistic and other cultural practices in settings where the target language is spoken.
- WLC graduates will be able to utilize their cross-cultural competencies in professional contexts to overcome challenges related to linguistic or other cultural barriers in intercultural settings.

Program Requirements: World Languages and Cultures (B.A.): 120 s.h.

Introductory Courses

Take one course from the following:

- WLC 2500 - INTRODUCTION TO PARIS
- WLC 2510 - INTRODUCTION TO GERMAN FILM
- WLC 2520 - INTRODUCTION TO LATIN AMERICAN CULTURES
- WLC 3350 - CONTEMPORARY LATIN AMERICAN FILM

Core

- WLC 3300 - PHONETICS AND LANGUAGE STRUCTURES
- WLC 3310 - LITERATURE IN TRANSLATION
- WLC 4400 Global Experience

Study abroad requirement: 9 Upper Division credits in the target language

Spanish Concentration

- SPA 3300 - SPANISH CONVERSATION
- SPA 3320 - ADVANCED SPANISH STRUCTURE

Take one course from the following:

- SPA 2201 - INTERMEDIATE SPANISH I
- SPA 2213 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE III

Take one course from the following:

- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2214 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE IV

Spanish Cultural Courses

Take three courses from the following:

- SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

Total Credit Hours: 42

[Archived Catalog]

Accounting Minor

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The Department offers minors in Accounting, Business Administration, Management, and Marketing.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

18 s.h.

Program Requirements

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- ACC 3310 - INTERMEDIATE ACCOUNTING I
- ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING

Accounting Electives

- Take 6 credits of ACC courses (any level)

[Archived Catalog]

Art History Minor

Offered by the Department of Art, Communication, English and World Languages

The Art History Minor seeks to develop awareness of the cultural traditions in the visual arts worldwide, foster an understanding of the institutions that display and conserve art collections, and teach skills in visual analysis, critical thinking and interpretation of artworks.

After completing the Art History Minor, students will be able to:

- Articulate knowledge of the cultural and historical context in which works of art and architecture were made.
- Distinguish among stylistic traditions in major historical art styles in selected artworks.
- Specify the iconography of selected artworks.
- Apply knowledge of aesthetics in some of the major styles of western and non-western art.

18 s.h.

Program Requirements

- ARH 1101 - INTRODUCTION TO ART

  Take 15 credits from any of the following:
  - Any ARH course

- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES

[Archived Catalog]

Biology Minor

Offered by the Department of Natural Sciences

The minor in biology is designed to broaden and expand the knowledge of students especially those in biology-related curricula. The requirements for a minor are a total of at least 18 hours of semester credit.

Objectives

Broaden and expand the knowledge of students in the field of Biology to prepare them for Biology-related careers.

Learning Outcomes

Success in any field within biology requires students to be able to identify and describe the basic principles on which our current understanding of the biological world is based. By the end of his/her program each student is expected to be able to explain and/or analyze the following:

- Distinguishing characteristics of living systems
- Hierarchical organization of living systems
- Structure and function of cells
- Energy transformations of living system
- Patterns of growth, reproduction, and development in living systems
- Structural and functional features that allow organisms to carry out fundamental life processes (e.g., resource acquisition, gas exchange, transport of materials, maintenance of homeostasis, response to stimuli, reproduction, etc.)
- Principles of heredity, including Mendelian and molecular genetics
- Ecological interactions among organisms and between organisms and their environments
- Evolutionary history and mechanisms of evolutionary change in populations
- Biological diversity and a familiarity with the organisms and ecosystems of the local landscape.

18 - 20 s.h.

Program Requirements

- BI 1101 - PRINCIPLES OF BIOLOGY I
- BI 1102 - PRINCIPLES OF BIOLOGY II

Take one course from the following:

- BI 3350 - ECOLOGY
- BI 3370 - CELL BIOLOGY

Biology Electives

- Take 6 - 8 credits of 2000, 3000, or 4000 level BI courses

[Archived Catalog]

Business Administration Minor

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The minor in Business Administration provides an overview of business concepts for students not majoring in business administration. A business minor provides valuable insight regarding business who will conduct themselves in a business environment.

Program Objectives: After successfully completing the program, students should

- Develop an understanding of basic business concepts
- Develop an understanding of basic financial concepts
- Develop an understanding of income statement and balance sheet
- Develop basic management and marketing skills

Student Learning Outcomes: After successful completion of the minor, students will be able to

- Develop basic accounting skills
- Demonstrate basic management skills
- Develop basic understanding of income statement and balance sheet
- Develop an understanding of gross national product and American Economy
- Develop marketing skills

18 s.h.

Program Requirements

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- FIN 3301 - INTRODUCTION TO FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

[Archived Catalog]

Chemistry Minor

Offered by the Department of Natural Sciences

Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting their nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world. Chemistry and Physics offers four programs that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. Minors in Chemistry, Physics, and Forensic Science are available as further options.

Minors:

The department offers minors in chemistry and forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, or forensics and thereby broaden their background as they acquire marketable skills.

22 - 24 s.h.

Program Requirements

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II

Chemistry Electives

Take 6 - 8 credits of 3000 or 4000 level CHM courses, except CHM 4410, CHM 4490, and CHM 4497

[Archived Catalog]

Child Welfare Minor

Offered by the Department of Behavioral and Social Sciences

The child welfare minor is designed for students interested in better understanding the care and protection of children in today's society. It introduces students to issues specific to children, from developmental, environmental, and social work perspectives. It is an appropriate minor for any student who will be working in roles that involve protecting vulnerable children.

Program Objectives:

Program Goals

The five Social Work Program goals derived from the mission statement are to:

- Educate future social workers who will lead the profession in service to their communities (local, regional and beyond).
- Provide an academically challenging curriculum that models the tenets, values and ethics that serve as the foundation for generalist social work practice.
- Promote social justice through critical inquiry.
- Provide field education that enhances the student's connection between theory and application, and increases awareness of diversity and research informed practice.
- Promote diversity and cultural awareness through exposure to course content and cross-cultural activities and experiences.

Program Learning Outcomes:

Program Competencies

The program's curriculum is designed to prepare graduates for generalist practice through the mastery of core competencies, those measurable practice behaviors that are comprised of knowledge, values, and skills. The ten competencies insure that students will:

- Identify as a professional social worker and conduct themselves accordingly.
- Apply social work ethical principles to guide professional practice.
- Apply critical thinking skills to inform and communicate professional judgments.
- Engage diversity and difference in practice.
- Advance human rights and social and economic justice.
- Engage in research-informed practice and practice-informed research.
- Apply knowledge of human behavior and the social environment.
- Engage in policy practice to advance social and economic well-being and to deliver effective social work services.
- Respond to contexts that shape practice.
- Engage, assess, intervene, and evaluate with individuals, families, groups, organizations and communities.

18 s.h.

Program Requirements

- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 3326 - CHILD & ADOLESCENT DEVELOPMENTAL PSYCHOLOGY
- SWK 3321 - CHILD WELFARE
- SWK 3326 - SOCIAL WORK AND CASE MANAGEMENT

Take one course from the following:

- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SWK 1800 - INTRODUCTION TO SOCIAL WORK

Take one course from the following:

- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 3370 - SOCIOLOGY OF CHILDHOOD

[Archived Catalog]

Community Health Education Minor

Offered by the Department of Nursing and Allied Health Sciences

The Community Health Education (CHE) minor is for students seeking an increased understanding of health issues in the community setting providing a basic understanding in the rapidly growing field of community health education. The minor is especially well suited to students with a major or an interest in the health sciences, social sciences, or those who plan to work in community or public health settings. Students completing the CHE minor may be eligible to sit for the Community Health Education Specialist (CHES) exam depending upon their program major and classes taken.

Objectives:

- Prepare graduates who are qualified to plan and implement existing evidenced based health promotion programming for individuals and communities in regional and national settings.
- Provide an environment that promotes excellence and professionalism, and a commitment to lifelong learning for students and faculty.

Learning Outcomes:

- Identify and apply the steps of health education program planning (community and individual assessment, program planning, program implementation, and program evaluation) at a foundational level.
- Identify social, cultural, and economic factors that promote or hamper learning by individuals and various communities.
- Plan basic health promotion programs for individuals and communities using evidence-based strategies.
- Implement health promotion programs for individuals and communities using evidence-based strategies.

18 s.h.

Program Requirements

- CHE 1120 - INTRODUCTION TO GLOBAL COMMUNITY HEALTH EDUCATION
- CHE 3320 - INTRODUCTION TO EPIDEMIOLOGY
- NTR 2211 - INTRODUCTION TO NUTRITION
- NTR 3314 - LIFE CYCLE NUTRITION

Take one group from the following:
Group 1

- CHE 4420 - CHE COMMUNITY ASSESSMENT AND PROGRAM PLANNING
- CHE 4430 - COMMUNITY HEALTH EDUCATION PROGRAM EVALUATION

Group 2

- CHE 4433 - HEALTH PROMOTION
- CHE 4465 - RURAL HEALTH ISSUES

[Archived Catalog]

Creative Writing Minor

Offered by the Department of Art, Communication, English and World Languages

The Creative Writing Minor examines student creativity, expression, and production through intensive reading from a variety of cultural backgrounds and time periods, extensive writing and revising, and active discussion. Courses offered for the minor introduce students to the major literary genres of prose and poetry, and sharpen their writing skills. Students learn to contextualize literary styles and find their own voice within them.

Program Objectives:

- Introductory Courses: To learn to analyze and practice major literary devices pertinent to the various genres of creative writing.
- Advanced Courses: To discover the possibilities inherent in various literary genres, find their own voice within them, and develop and hone their writing skills

Program Learning Outcomes:

- Introductory Courses: Students will demonstrate an informed appreciation of various genres of creative writing as a literary and artistic practice and write and revise complete pieces of original creative writing in various genres.
- Advanced Courses: Students will develop self-awareness about the craft, revision, and workshop process and compile a portfolio of revised creative writing in a variety of genres.

18 s.h.

Program Requirements

- ENG 2252 - INTRODUCTION TO POETRY WRITING
- ENG 2254 - INTRODUCTION TO FICTION WRITING

Take one course from the following:

- ENG 3252 - ADVANCED POETRY WRITING
- ENG 3254 - ADVANCED FICTION WRITING

Creative Writing Electives

Take 9 credits from the following:

- ENG 3252 Advanced Poetry Writing*
- ENG 3254 Advanced Fiction Writing*

- ENG 3316 - CREATIVE NONFICTION WRITING
- ENG 3328 - LGBTQ LITERATURE
- ENG 3332 - NATURE WRITING
- ENG 3400 - COPY EDITING
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA
- ENG 3371 - PROFESSIONAL WRITING
- ENG 3386 - READINGS IN YOUNG ADULT LITERATURE
- ENG 3389 - GRAPHIC NOVEL
- ENG 4416 - NOVEL WRITING

*when not selected above

[Archived Catalog]

Criminal Justice Administration Minor

Offered by the Department of Behavioral and Social Sciences

Criminal Justice Administration offers a minor in criminal justice upon the completion of three required core courses and nine credits in electives. The minor provides a general overview of the American criminal justice system and benefits social work, political science and psychology majors.

18 s.h.

Program Requirements

- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS

Criminal Justice Administration Electives

- Take 9 credits of 3000 or 4000 level CJA courses

[Archived Catalog]

Education Minor

Offered by the Department of History, Education, Philosophy, Political Science, and Sociology

The minor in education provides an overview of the field of education and of the dynamics of teaching and learning. This minor is restricted to previous education majors who have successfully completed Gate 1 requirements as defined by Chapter 354.

18 s.h.

Program Requirements

- ED 1102 - INTRODUCTION TO EDUCATION

Take one course from the following:

- ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS
- ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS

- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION

Education Electives

- Take 9 credits of 3000 or 4000 level ED, ELE, or SPE courses

[Archived Catalog]

Electronic Media Minor

Offered by the Department of Art, Communication, English, and World Languages

From the internet to broadcasting, film and mobile devices electronic media impacts our lives daily and can have implications on a global scale. This minor is directed to students who do not want a career in media but want to understand its implications and uses in their various disciplines.

Program Objectives:

• Offer students in other disciplines an opportunity to pursue a course of study in the electronic media.

• Offer students a minor with flexibility in course offerings that allows a student to tailor a study of electronic media to complement and enhance their selected major. For example a Business / Marketing major might choose to select courses in electronic media advertising and management.

• To enhance courses in the electronic media major with contributions from students in other fields.

• Provide students the ability to understand electronic media, its impact on society and how it relates to their chosen profession.

• Provide students the ability and knowledge to develop and improve their media skills in literacy in both their personal and professional lives.

18 s.h.

Program Requirements

- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA
- COM 2230 - WRITING FOR ELECTRONIC MEDIA

Electronic Media Electives

Take four courses from the following:

- COM 2211 - PRINCIPLES OF ADVERTISING
- COM 3270 - AUDIO PRODUCTION
- COM 3272 - FILM and SOCIETY
- COM 3273 - MASS MEDIA AND SOCIETY
- COM 3274 - GAY and LESBIAN FILM IMAGES
- COM 3301 - INTRODUCTION TO VIDEO PRODUCTION
- COM 3303 - TELEVISION AND RADIO ANNOUNCING
- COM 3304 - ADVANCED VIDEO PRODUCTION
- COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT

- COM 3311 - ELECTRONIC MEDIA PROGRAMMING
- COM 3331 - MEDIA ETHICS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4407 - ELECTRONIC MEDIA WORKSHOP
- COM 4435 - GLOBAL MEDIA

[Archived Catalog]

English Literature Minor

Offered by the Department of Art, Communication, English and World Languages

The English Literature minor program provides students with a strong grounding in the field of literary studies, with an emphasis on developing excellent analytical, critical thinking, writing, and research skills. The minor consists of 3 core courses and 3 elective courses. The core courses introduce students to the field of literary studies, focusing on key foundational literary texts and their influence, the practice of literary analysis and interpretation, and the significance of various critical approaches to literature. The elective courses allow students to shape the rest of their minor program according to their particular interests. Students from a variety of majors have successfully completed the English literature minor; the minor combines especially well with programs such as Philosophy, History, Spanish, Art History, Music, Mass Communication, Liberal Studies, Psychology, Sociology, Anthropology, and Elementary Education. Students who successfully complete the English literature minor will be able to demonstrate the:

- Ability to analyze and interpret texts critically and convincingly.
- Ability to situate literature and language in various contexts, including literary, cultural, and historical.
- Ability to conduct research effectively and document sources appropriately.
- Ability to understand writing as a process, to assess rhetorical contexts, and to revise written work effectively.
- Ability to write clearly and purposefully, with attention to the grammar, mechanics, and other conventions of the English language.
- Ability to write effectively for specific professional contexts. (Professional Writing Track)

18 s.h.

Program Requirements

18 credits minimum (beyond the required composition courses) to include:

- ENG 2268 - SURVEY OF BRITISH LITERATURE
- ENG 2278 - SURVEY OF AMERICAN LITERATURE

Take one course from the following:

- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 2130 - INTRODUCTION TO LITERARY STUDIES

English Literature Electives

- Take 9 credits of 3000 & 4000 level ENG courses

[Archived Catalog]

Ethnic Studies: African-American Studies Minor

Offered by the Department of Art, Communication, English and World Languages

The African American Studies minor offers students the opportunity to study African American culture from a multidisciplinary perspective. The minor seeks to prepare students to meet the challenges of an increasingly diverse workplace, society, and world.

Student Learning Outcomes:

After completing the African-American Studies minor, students will be able to:

- Describe the cultural diversity of the African diaspora and its influence on African-American culture
- Recognize the historical settings and traditions that shaped African-American culture
- Identify the contributions of African-Americans to American society
- Demonstrate critical and analytical thinking in how African-Americans have shaped American society

18 s.h.

Program Requirements

Students must take courses with at least four different prefixes. A minimum of three courses must be Upper Division.

Take six courses from the following:

- AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES
- ANH 1101 - CULTURAL ANTHROPOLOGY
- ARH 3320 - ART OF AFRICA AND OCEANIA
- ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART
- ARH 3331 - HISTORY OF MODERN ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 3338 - MULTICULTURAL CRAFTS
- ART 4404 - SPECIAL PROBLEMS IN ART *
- BUS 3310 - MANAGING DIVERSITY
- ENG 2220 - SPECIAL TOPICS IN LITERATURE *
- ENG 2222 - SLAVE NARRATIVE
- ENG 2223 - CIVIL RIGHTS AUTOBIOGRAPHY
- ENG 3305 - COMPARATIVE LITERATURE *
- ENG 3320 - SPECIAL TOPICS IN LITERATURE *
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3331 - CIVIL RIGHTS NOVEL

- ENG 4401 - SEMINAR IN LITERARY STUDIES *
- GEG 2520 - ENVIRONMENTAL JUSTICE
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- HST 3388 - HISTORY OF AFRICA
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4496 - SENIOR SEMINAR *
- MU 3301 - WORLD MUSICS
- NTR 3300 - CULTURAL NUTRITION
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- PSY 3309 - STEREOTYPING AND PREJUDICE
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2200 - RACISM IN AMERICA
- SOC 3415 - AMERICAN VALUES IN CONFLICT

  * Must have an African or African-American topic

[Archived Catalog]

Forensic Science Minor

Offered by the Department of Natural Sciences

Chemistry and Physics offers two programs which lead to the baccalaureate degree with a major in physics. Minors in Chemistry, Physics, and Forensic Science are available as further options.

Minors:

The department offers minors in chemistry, physics, or forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, physics, or forensics and thereby broaden their background as they acquire marketable skills.

Chemistry and Physics offers a minor in forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to introduce relevant introductory chemistry, biochemistry and physics to give students sufficient background so that they can to understand their application in forensic science. In addition, the student will develop an understanding of the legal implications involved in evidence collection and presentation.

19 s.h.

Program Requirements

- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 3264 - CHEM MTDS FOREN SCI
- PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE
- SCI 1104 - FORENSIC SCIENCE

Take one course from the following:

- CJA 3262 - CRIMINAL INTERVIEWING AND INTERROGATION
- CJA 3354 - CRIMINAL LAW
- PSY 4441 - FORENSIC PSYCHOLOGY

Take one course from the following:

- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

Geology Minor

Offered by the Department of Natural Sciences

The Geology minor is a valuable option for students interested in the environment. It is especially appropriate for those who wish to work for government agencies, environmental consulting firms, mining and oil / natural gas companies, parks and recreations providers.

Program Objectives:

- Learn to collect and interpret data from a dynamic natural system.
- Advance written and oral communication skills.
- Develop critical thinking, analytical and problem-solving skills, using scientific techniques and methods.

Program Learning Outcomes:

- Students will apply scientific principles and methods to the investigation of geological phenomenon.
- Students will apply appropriate analytical, quantitative, and instrument-based approaches to geological assessments by resolving real-world problems in lab, field, and classroom.

19 s.h.

Program Requirements

- GEL 1125 - PHYSICAL GEOLOGY
- GEL 3322 - HISTORICAL GEOLOGY

Geology Electives
Take 12 credits from the following:

- GEL 2810 - OIL AND GAS GEOLOGY
- GEL 3325 - GROUNDWATER HYDROLOGY
- GEL 3363 - MINERALOGY
- GEL 3364 - PETROLOGY
- GEL 3500 - GEL MAPPING/ANALYSIS
- GEL 3510 - SEDIMENTOLOGY AND STRATIGRAPHY
- GEL 3520 - STRUCTURAL GEOLOGY
- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 3321 - GEOMORPHOLOGY

[Archived Catalog]

Graphic Design Minor

Offered by the Department of Art, Communication, English, and World Languages

The Graphic Design Minor offers students a cohesive and basic level of understanding within the discipline, and includes course offerings from the major's two distinct tracts, in print and motion. Students interested in combining the Graphic Design Minor with other areas of study, such as Business, Marketing, Communication or even more disparate majors, will create an education that will allow them to be thoughtful, future problem-solvers and catalysts for successful visual communication within our society.

Program Objectives:

- Provide a basic understanding of the concepts, processes, skills, and techniques used in the field of graphic design.
- Offer an area of study, for multiple majors throughout the University, which will compliment many disciplines, adding a breadth and depth of perspective to existing programs on campus.
- Give Mansfield University graduates a broader level of understanding and the resources to think creatively and act as conceptual problem solvers.

Program Learning Outcomes:

- Identify the use of the Elements and Principles of Design within various forms of graphic design.
- Identify terminology associated with the concepts, techniques, and processes used in graphic design.
- Apply the use of the creative design process within strategic problem solving and visual communication applications.
- Apply a thorough knowledge of the basic concepts associated with the history, culture, tools, techniques, processes, and presentation of graphic design.

18 s.h.

Program Requirements

Core Foundational - 6 credits

- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA

Take one course from the following:

- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2244 - THREE-DIMENSIONAL DESIGN
- ART 2248 - DRAWING

Core Basics - 6 credits

- GRA 3202 - VISUAL COMMUNICATION AND DESIGN
- GRA 3203 - HISTORY OF GRAPHIC DESIGN

Related Electives - 6 credits

Take two courses from the following:

- GRA 3302 - INTERACTIVE DESIGN
- GRA 3342 - DESIGN AND ADVERTISING
- GRA 3350 - TYPOGRAPHY
- GRA 3365 - DIGITAL ILLUSTRATION
- GRA 4402 - ADVANCED INTERACTIVE DESIGN
- GRA 4404 - BRANDING AND IDENTITY
- GRA 4450 - ADVANCED TYPOGRAPHY

[Archived Catalog]

History Minor

Offered by the Department of History, Education, Philsophy, Political Science, and Sociology

The Department offers two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

18 s.h.

Program Requirements

Take one course from the following:

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900

Take one course from the following:

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877

History Electives

- Take 6 credits of 3000 or 4000 level HST courses
- Take 6 credits of HST courses (any level)

[Archived Catalog]

Information Systems Minor

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The Department offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

18 s.h.

Program Requirements

- CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

Information Systems Electives

- Take 6 credits of CIS courses

[Archived Catalog]

Management Minor

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

The need for management has been recognized since the early days of civilization. Organizations cannot succeed without good management. This minor is based on appreciating the role of managers today and in the future by focusing on a solid understanding of the skills and competencies needed to manage.

A minor in management develops students' managerial skills including awareness of global realities of cultural diversity.

This minor develops understanding, skills, insights, judgment and intuition that enable students to become effective managers. Students actively learn and engage in acquiring management competencies by providing comprehensive coverage of contemporary management theories, techniques and practices.

This minor is designed to enhance business concepts and skills for those outside the Business Administration program. The minor is not open to students in the major.

18 s.h.

Program Requirements

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

Elective

- Take 3 credits Management Electives by advisement

[Archived Catalog]

Marketing Minor

Offered by the Department of Business Administration, Mathematics, Computer Science, and Information Systems

All organizations, including not-for-profit, use marketing strategies. The Marketing minor is designed to supplement many disciplines including Art, Communication / Public Relations, Computer Science / CIS, Criminal Justice Administration, Music Business / Music, Nutrition and Dietetics, Political Science, Psychology and other disciplines. The minor provides opportunity for students to broaden their skills and enhance their career opportunities. Students may choose courses in the minor to best fit their choice of disciplines. The minor advisor can help students in the selection of courses in achieving their goals.

18 s.h.

Program Requirements

- MKT 3330 - MARKETING
- MKT 3370 - SALESMANSHIP

Electives

- Take four courses from the following:

- BUS 3390 - SUPPLY CHAIN MANAGEMENT
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- MKT 3332 - PROMOTION IN MARKETING
- MKT 3334 - MARKETING RESEARCH
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-TO-BUSINESS MARKETING
- MKT 4426 - E-MARKETING

[Archived Catalog]

Music Minor

Offered by the Department of Music

The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The department of music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty.

The Music Department offers the following degree programs: The Bachelor of Arts (BA) degree with a major in Music, the Bachelor of Music (BM) degree with a major in Music Education, and the Bachelor of Music (BM) degree with three concentrations: Music Performance, Music Business, and Music Technology. Please refer to the department website (http://music.mansfield.edu) for audition information and other entrance requirements.

The Music Department is an accredited member of the National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248, (703) 437-0700, nasm.arts-accredit.org/.

The Music Department offers a Music minor for students in other majors with appropriate interest and aptitude. A live audition is required for admission to this program.

Objectives:

- Provide a basic understanding of the concepts, processes, skills, and techniques used in the field of music engagement and performance.
- Offer an area of study, complementary to many non-music major fields of study, which will add a breadth and depth of perspective.
- Give Mansfield University graduates a broader level of understanding and the resources to think creatively and divergently, and act as conceptual problem solvers.

Learning Outcomes:

- **Primary Instrument / Voice** Students will perform effectively and musically on their primary performance area. This will include proficiency in skills requisite for artistic self-expression.
- **Harmonic Analysis** Students will utilize analytic techniques to effectively describe the large and small-scale structures of music in such a way as to reveal relevant and important information about the score.
- **Ensembles** Students will perform in ensembles and be effective, musical and constructive members of musical groups.
- **Composition** Students will compose effective musical works that demonstrate an understanding of basic musical elements, including notation, form and harmonic coherence.
- **Sight-Reading and Dictation** Students will accurately sight-sing and take aural dictation. Students will improvise melodies, variations and accompaniments on instruments and voice.

22 s.h.

Program Requirements

- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC

Take 4 credits from Major Performance Area

Take 2 credits of Ensemble

Music Electives

- Take 4 credits of MAP, MEN, or MU courses

[Archived Catalog]

Music Technology Minor

Offered by the Department of Music

The music technology minor is typically intended for students outside the music department that have a strong interest in audio, music recording, and studio production. The minor includes an introductory music fundamentals course, a four-course sequence of music technology courses (Introduction to Music Technology, Electronic Music, Recording Arts, and Studio Production Techniques), and seven credits of music electives by advisement. Students in this minor will gain hands-on experience with professional-level recording and production tools and software, and will gain access to studio facilities for the completion of independent class projects.

Program Learning Outcomes:

- Students will produce musical sequences, notated music, and audio compositions using a desktop music system or MIDI project studio (e.g., music lab workstations)
- Students will gain hands-on experience with music technology equipment, including microphones, mixers, computer audio interfaces, and signal processors
- Students will apply common synthesis and audio processing techniques in order to create original sounds for use in musical and other audio productions
- Students will record live events and studio tracking sessions using standard recording techniques and microphone placements
- Students will mix complex multi-track projects while applying common signal processing and audio effects using a professional level digital audio workstation (i.e., the Pro Tools HD control room)

18 s.h.

Program Requirements

- MU 1103 - INTRODUCTION TO MUSIC FUNDAMENTALS
- MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY
- MU 3313 - ELECTRONIC MUSIC I
- MU 4413 - STUDIO PRODUCTION TECHNIQUES
- MU 4414 - RECORDING ARTS

Music Electives

- Take 7 credits from the MAP, MEN, or MU prefixes

[Archived Catalog]

Nutrition Minor

Offered by the Department of Nursing and Allied Health Sciences

The nutrition minor provides the student with a strong background in nutrition as related to the student's field of study. The minor is especially suited to students in health care fields other than nutrition, students who wish to work with eating disordered individuals, future educators and coaches, future journalists, and anyone else who may need a strong background in nutrition.

Program Objectives:

- Promote nutrition knowledge among non-nutrition majors
- Promote basic knowledge of foods among non-nutrition majors

Program Learning Outcomes:

Students are able to

- Apply professional guidelines to a practice scenario
- Use the nutrition care process to make decisions, to identify nutrient related problems, and determine and evaluate nutrition interventions.
- Develop food and nutrient interventions to affect change and enhance wellness in diverse individuals and groups
- Develop an educational session or program / educational strategy for a target population

18 s.h.

Program Requirements

- NTR 2211 - INTRODUCTION TO NUTRITION
- NTR 3305 - PRINCIPLES OF FOOD SCIENCE
- NTR 3314 - LIFE CYCLE NUTRITION

Take one course from the following:

- NTR 2220 - NUTRITION AND EXERCISE
- NTR 3300 - CULTURAL NUTRITION
- NTR 3316 - COMMUNITY NUTRITION

Take two courses from the following:

- NTR 3325 - COUNSELING AND HEALTH EDUCATION
- NTR 3330 - SPORTS NUTRITION

- NTR 4401 - MEDICAL NUTRITION THERAPY I
- NTR 4402 - MEDICAL NUTRITION THERAPY II
- NTR 4417 - ADVANCED NUTRITION
- NTR 4420 - NUTRITION RESEARCH SEMINAR

[Archived Catalog]

Organizational Communication Minor

Offered by the Department of Art, Communication, English, and World Languages

We offer a minor in organizational communication for students who want to communicate effectively in a variety of situations and professions, and explore global diversity as they interact in interpersonal and organizational settings. This minor is designed to enhance any major.

18 s.h.

Program Requirements

- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- COM 4485 - SMALL GROUP COMMUNICATION

Take two courses from the following:

- COM 3306 - NONVERBAL COMMUNICATION
- COM 3330 - EFFECTIVE MEETING MANAGEMENT
- COM 3332 - INTERCULTURAL COMMUNICATION
- COM 3334 - GENDER AND COMMUNICATION
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION

Take one course from the following:

- COM 4400 - COMMUNICATION THEORY
- COM 4401 - PERSUASION
- COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT
- COM 4440 - COMMUNICATION LAW

[Archived Catalog]

Philosophy Minor

Offered by the Department of History, Education, Philsophy, Political Science, and Sociology

Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Program.

18 s.h.

Program Requirements

- Take 9 credits of 3000 or 4000 level PHL courses
- Take 9 credits of PHL courses (any level)

[Archived Catalog]

Political Science Minor

Offered by the Department of History, Education, Philsophy, Political Science, and Sociology

A minor in Political Science provides an excellent complement to nearly any major. This social science discipline is devoted to the study of government and politics of the US, other countries, and the international system. Our central goal is to produce students with a well-rounded knowledge of the discipline and a set of skills that serve as a basis for careers in any number of fields after graduation. As a broad field, political science clearly relates to the study of history, philosophy, economics, psychology, geography, sociology, criminal justice, foreign languages, mass communications/public relations, and education. It also has a less obvious relationship with biology, chemistry, business, mathematics, English, and social work. Experience studying politics and government contributes to a graduate's ability to pursue advanced degrees, such as law, or other graduate work. The political science minor can support most any career, from banking, finance, sales, lobbying, education, research, law enforcement, and the civil service. The fundamental skills students learn in the field of political science are broadly and widely applied to post-graduation careers.

18 s.h.

Program Requirements

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

Take one course from the following:

- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

Political Science Electives

- Take 9 credits of 3000 or 4000 level PSC courses
- Take a 3 credit PSC course (any level)

[Archived Catalog]

Pre-Law Minor

Offered by the Department of History, Education, Philsophy, Political Science, and Sociology

Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Program.

The Philosophy program also offers a Pre-Law concentration that is designed primarily for students who want to attend Law School or work in a law related field. The Pre-Law track is an interdisciplinary major that emphasizes the relationship between philosophy and several of the social sciences. The Pre-Law B.A. Program has been carefully designed to help students develop intermediate to advanced skills in critical reasoning, legal argumentation, and judicial analysis. It is a rigorous program intended to challenge students and advance their opportunities in the study of law and requires 36 credit hours of study.

Program Objectives:

- Perform suitable analysis of texts and arguments
- Articulate views clearly and effectively
- Critically evaluate relevant information, issues, arguments and problems
- Consider and fairly present alternative points of view
- Articulate connections between philosophy and other disciplines

Pre-Law Program

Mansfield University has an active and successful effort in the preparation of students for the study of Law. Central to this program are the Pre-Law Minor and the Pre-Law Association. Pre-Law is administered by the Philosophy Program. The Pre- Law Association is an active, student-funded organization which supplies students with various types of support in preparation for law school. This includes trips to law school fairs, advice concerning LSAT preparation programs, advice on studying for the LSAT, visits to Mansfield University from law school recruiters, advice on applying to law schools, discussions by visiting alumni attorneys or law students, etc. In order to ensure that students expressing the intention of enrolling in law school will receive the support they need, they will be expected to discuss an appropriate major for themselves with the Pre-Law advisor, depending on the area of law in which they anticipate practicing.

18 s.h.

Program Requirements

- PHL 3230 - FORMAL LOGIC
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

Take four courses from the following:

- CJA 3354 - CRIMINAL LAW
- CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE
- COM 4401 - PERSUASION
- COM 4440 - COMMUNICATION LAW
- PHL 2205 - LAW, MORALITY and AUTHORITY
- PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY
- PHL 3320 - PHILOSOPHY OF LAW
- PSC 3351 - INTERNATIONAL LAW
- PSC 4404 - CONSTITUTIONAL LAW
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- SCI 1104 - FORENSIC SCIENCE

[Archived Catalog]

Professional Writing Minor

Offered by the Department of Art, Communication, English, and World Languages

The Professional Writing minor program provides students with a strong grounding in the field of professional writing. The minor consists of 3 core courses and 3 elective courses. The core courses introduce students to writing for professional contexts, including in-depth attention to the rhetoric of writing for professional contexts, copyediting, and writing for the web. The elective courses allow students to shape the rest of their minor program according to their particulur interests. Students from a variety of majors may successfully complete the Professional Writing minor; the minor contributes especially well to programs such as Business, Nutrition, Biology, Chemistry, Criminal Justice, Psychology, Community Health Education, Graphic Design, Communication, Geography, and Political Science.

Program Objectives:

All professional writing courses will:

- Focus applications of the writing process, including prewriting, drafting, and revising, to professional written communications,
- Provide ample opportunity for students to practice writing in a clear, consise, and coherent style using standard conventions of English
- Require students to use specific rhetorical strategies to adapt written communications for particular audiences, such as managers, colleagues, and clients

Program Learning Outcomes:

Students who complete the Professional Writing Minor will have demonstrated their

- Ability to understand writing as a process, to assess rhetorical contexts, and to revise written work effectively.
- Ability to write clearly and purposefully, with attention to the grammar, mechanics, and other conventions of the English language.
- Ability to write effectively for specific professional contexts.

18 s.h.

Program Requirements

- ENG 3371 - PROFESSIONAL WRITING
- ENG 3400 - COPY EDITING
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA

Take three courses from the following:

- COM 3320 - PUBLIC RELATIONS WRITING
- ENG 2225 - ENGLISH GRAMMAR
- ENG 3252 - ADVANCED POETRY WRITING

- ENG 3254 - ADVANCED FICTION WRITING
- ENG 3316 - CREATIVE NONFICTION WRITING
- ENG 3332 - NATURE WRITING
- ENG 4416 - NOVEL WRITING
- ENG 4449 - ENGLISH PRACTICUM
- ENG 4495 - ENGLISH INTERNSHIP
- JN 1100 - JOURNALISM
- JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING
- JN 3320 - MAGAZINE WRITING AND PRODUCTION
- JN 3340 - ONLINE JOURNALISM

[Archived Catalog]

Psychology Minor

Offered by the Department of Behavioral and Social Sciences

The Department offers a B.S. degree in Psychology with concentrations in General Psychology, Counseling, Lifespan Development, Mind / Body Health and Human Resource Management. The Psychology major is chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter advanced degree programs in counseling or related fields.

A Psychology minor is available to non-majors and provides a general survey of the field.

Objectives

- Ensure that students have a well-developed, contemporary understanding of psychology as an academic discipline and profession.
- Promote engaged, state-of-the art learning in all our courses.
- Set high standards for scholarship and student-faculty research.
- Assess student learning and improve our effectiveness as a department.

Learning Outcomes

The curriculum is designed to meet the following student learning outcomes:

- Knowledge Base in Psychology: Describe key concepts, principles, and overarching themes in psychology; Develop a working knowledge of psychology's content domains; Describe applications of psychology
- Scientific Inquiry and Critical Thinking: Use scientific reasoning to interpret psychological phenomena; Demonstrate psychology information literacy; Engage in innovative and integrative thinking and problem solving; Interpret, design, and conduct psychological research; Incorporate sociocultural factors in scientific inquiry.
- Ethical and Social Responsibility in a Diverse World: Apply ethical standards to evaluate psychological science and practice; Build and enhance interpersonal relationships; Adopt values that build community at local, national, and global levels
- Communication: Demonstrate effective writing for different purposes; Exhibit effective presentation skills for different purposes; Interact effectively with others
- Professional Development: Apply psychological content and skills to career goals; Exhibit self-efficacy and self-regulation; Refine project-management skills; Enhance teamwork capacity; Develop meaningful professional direction for life after graduation

18 s.h.

Program Requirements

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

- PSY 3310 - SOCIAL PSYCHOLOGY

Take one course from the following:

- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3326 - CHILD & ADOLESCENT DEVELOPMENTAL PSYCHOLOGY

Take two courses from the following:

- PSY 3300 - HELPING SKILLS
- PSY 3307 - COUNSELING YOUTH IN SMALL GROUPS
- PSY 3309 - STEREOTYPING AND PREJUDICE
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3319 - POSITIVE PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS
- PSY 4408 - CHILD FORENSIC PSYCHOLOGY
- PSY 4441 - FORENSIC PSYCHOLOGY

Psychology Elective

- Take 3 credits of PSY courses (any level)

[Archived Catalog]

Public Relations Minor

Offered by the Department of Art, Communication, English, and World Languages

A minor in public relations provides the student a foundation in public relations principles and practice that can be applied in a variety of context and fields.

Program Objectives:

- To foster student's knowledge in the theory, practice, and application of mass communication
- To develop and improve student's written communication skills
- To encourage students to use ethical and critical thinking skills as they apply to communication and media contexts
- To develop and improve student's proficiency in various technologies used in the field
- To provide opportunities that expose and connect students to professionals and MU alumni working in the communication field

Program Learning Outcomes:

- To be able to explain an organization's public relations efforts and how the organization is portrayed in the media.
- To be able to develop appropriate communication material to target specific audiences and media.
- To be able to evaluate an organization's use of social media.
- To be able to evaluate a public relations campaign that they've implemented for an organization.

18 s.h.

Program Requirements

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 3300 - DIGITAL COMMUNICATION IN PUBLIC RELATIONS
- COM 3320 - PUBLIC RELATIONS WRITING

Take one course from the following:

- ART 3330 - DIGITAL PHOTOGRAPHY
- CIS 3303 - WEB SITE DESIGN
- ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA
- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA

Take one course from the following:

- COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA

- COM 2211 - PRINCIPLES OF ADVERTISING
- COM 3331 - MEDIA ETHICS
- COM 4401 - PERSUASION
- COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM
- MKT 3330 - MARKETING

Take one course from the following:

- COM 3322 - CASE STUDIES IN PUBLIC RELATIONS
- COM 4420 - PUBLIC RELATIONS WORKSHOP

[Archived Catalog]

Social Welfare Minor

The Social Welfare minor prepares students interested in better understanding social welfare systems in which they may work. The minor offers information on organizations, social policies, and service provision as viewed from a systems perspective.

18 s.h.

Program Requirements

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SWK 1800 - INTRODUCTION TO SOCIAL WORK
- SWK 2500 - DIVERSITY AND SOCIAL JUSTICE
- SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I
- SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II
- SWK 3330 - SOCIAL POLICY

[Archived Catalog]

Sociology Minor

Offered by the Department of History, Education, Philosophy, Political Science, and Sociology

Sociology is the scientific study of human social behavior and social organizations. Sociologists examine the processes and patterns of interaction between individuals, groups, societies, and nations. They seek to explain how social forces influence individual behavior, the organization, and behavior of social groups, and their interrelationships. Sociology focuses on an empirical investigation of social facts, critical evaluation of information, and professional presentation of results. It also includes the development and advancement of sociological theory. Therefore, the Sociology minor provides both intellectually stimulating materials and practical training that compliments the goals of other fields and benefits the future career success of students.

The Sociology minor is especially recommended for Criminal Justice, Public Relations, Marketing, and Social Work majors.

Program Requirements 18 s.h.

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

Sociology Electives

- Take 6 credits of 3000 or 4000 level SOC courses
- Take 6 credits of SOC courses (any level)

[Archived Catalog]

Spanish Minor

Offered by the Department of Art, Communication, English, and World Languages

The Spanish minor enables Mansfield University students to become more competitive in the workforce by developing intermediate-mid proficiency linguistic and cultural competencies in Spanish, skills that will enhance their professional portfolio in various fields: healthcare, law enforcement, social work, education, business administration, international politics, communication, etc. Students will be better qualified in 22 Spanish-speaking countries to pursue work or service abroad in international and / or non-profit organizations.

Upon completion of the minor program, students will be able to:

- Understand and speak the target language at an intermediate-mid level as described in the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines.
- Read and write in the target language at the intermediate-mid level.
- Demonstrate understanding of Spanish culture.

18 s.h.

Program Requirements

Take one course from the following:

- SPA 2201 - INTERMEDIATE SPANISH I
- SPA 2213 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE III

Take one course from the following:

- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2214 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE IV

Spanish Language and Culture Electives
Take three courses from the following:

- SPA 2205 - PHONETICS AND PRONUNCIATION
- SPA 2225 - SPANISH GRAMMAR REVIEW
- SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPA 3320 - ADVANCED SPANISH STRUCTURE

- SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

World Languages and Cultures Elective

Take one course from the following:

- WLC 2520 - INTRODUCTION TO LATIN AMERICAN CULTURES
- WLC 3310 - LITERATURE IN TRANSLATION

[Archived Catalog]

Studio Art Minor

Offered by the Department of Art, Communication, English, and World Languages

A minor in Studio Art may be declared by non-art majors and art majors. A minimum of 18 to a maximum of 24 credits constitutes a minor.

18 s.h.

Program Requirements

- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2244 - THREE-DIMENSIONAL DESIGN

Studio Art Electives

- Take 12 credits of ART courses (any level)

[Archived Catalog]

Watershed Management Minor

Offered by the Department of Natural Sciences

The minor in Watershed Management is designed to provide specific coursework to students interested in watershed protection and sustainability. It is interdisciplinary and challenging.

Program Objectives:

- Learn to collect and interpret data from a dynamic natural system.
- Advance written and oral communication skills.
- Develop critical thinking, analytical and problem-solving skills, using scientific techniques and methods.

Program Learning Outcomes:

1. Students will properly use field equipment such as flow meters, water quality test kits, pH meters and soil color charts.
2. Students will perform a watershed assessment and develop a watershed protection or restoration plan.

18 - 20 s.h.

Program Requirements

- GEOS 1625 - SURFACE HYDROLOGY
- GEOS 2855 - WETLAND SCIENCE
- GEOS 3105 - ENVIRONMENTAL PERMITTING
- WSM 3500 - WATERSHED RESTORATION

Group 2

Take two courses from the following:

- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEL 3325 - GROUNDWATER HYDROLOGY
- GEOS 2821 - MAP READING AND INTERPRETATION
- GEOS 3060 - PRINCIPLES OF SOIL SCIENCE
- WSM 3010 - WATERSHED SYSTEMS

[Archived Catalog]

Women's Studies Minor

Mansfield's Women's Studies Program cultivates an interdisciplinary program of study related to women's studies and issues. It guides the development of the 18 hour academic minor in Women's Studies and offers many extracurricular activities. Each semester, the Women's Studies Program publishes a newsletter Highlighting Women's Issues that includes writing by students, staff, and faculty. Each year it hosts several Women's Arts and Culture Events, which may feature performances, talks, readings, films, or art exhibits by women. Women's Studies Program participants serve on the Women's Studies Steering Committee and participate in Women's Studies activities, according to their time and interests. We welcome student involvement in all our activities.

18 s.h.

Program Requirements

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES
- WS 4410 - SEMINAR IN WOMEN'S STUDIES

Humanities course

Take one course from the following:

- ENG 3326 - WOMEN'S LITERATURE
- ENG 3328 - LGBTQ LITERATURE
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- MU 2205 - WOMEN IN MUSIC

Social Science course

Take one course from the following:

- COM 3334 - GENDER AND COMMUNICATION
- NUR 4402 - WOMEN'S HEALTH ISSUES
- PSY 2212 - HUMAN SEXUALITY
- PSY 3309 - STEREOTYPING AND PREJUDICE
- PSY 4422 - PSYCHOLOGY OF WOMEN
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER

Women's Studies Electives

Take two courses from the following:

- ENG 2220 - SPECIAL TOPICS IN LITERATURE *
- ENG 2222 - SLAVE NARRATIVE
- ENG 3305 - COMPARATIVE LITERATURE *
- ENG 3320 - SPECIAL TOPICS IN LITERATURE *
- ENG 3385 - AUTHOR IN CONTEXT *
- ENG 3389 - GRAPHIC NOVEL
- ENG 4401 - SEMINAR IN LITERARY STUDIES *
- HST 2230 - HISTORY OF SEXUALITY
- HST 3294 - TOPICS IN AMERICAN HISTORY *
- HST 3295 - TOPICS IN GLOBAL HISTORY *
- HST 3296 - TOPICS IN EUROPEAN HISTORY *
- HST 3326 - HISTORY OF WOMEN AND TELEVISION

*when offered with Women's Studies content

[Archived Catalog]

GENERAL EDUCATION 2010 catalog or earlier

For students in a program with a 2010 or earlier catalog year

Philosophy

The objective of the general education component of an undergraduate degree is to provide students with a foundation for lifelong learning and to enable them to function as responsible citizens in a rapidly changing world, consistent with the traditions of a liberal education.

General Education is designed, therefore, to enable students to continue to learn independently of formal classroom instruction. It extends throughout the undergraduate experience and into campus and community life. General Education encourages students to develop their abilities to observe, analyze and resolve problems, essential skills in a pluralistic and global environment. Finally, General Education makes students aware of the concept of ethical and moral responsibility to self and society.

General Education complements major course work and assists students in taking their proper place in society by helping them comprehend humankind; its cultures and history, the philosophies by which it lives, the means by which it communicates, and the arts and sciences which better its existence.

General Education Program Outcomes

General Education courses represent multiple disciplines and meet the general education requirements. Specifically, general education is designed to develop student competency across the core and general education blocks in the following:

- Thinking skills including critical thinking, problem solving, and analysis
- Communication
- An introduction to the principles, substance, and methodology of humanities, language and literature, mathematics, natural sciences, and social sciences, in addition to their majors.

Thinking Skills

Thinking skills including different types of processing information. Common examples are critical thinking, problem solving, and analysis. This following section defines three types of thinking and offers examples.

Critical Thinking

Students think rationally and critically about those matters that educated people debate. Student recognize and avoid common mistakes in reasoning, identify personal assumptions, challenge assumptions, gather and evaluate evidence from a variety of sources, distinguish different kinds of reasoning, analyze and synthesize and integrate informaiton to draw conclusions. Critical thinking is a broad type of reasoning that involved applying learning in situations and problems.

Problem Solving

A step-by-step process of defining the problem, searching for information, generating possible solutions, testing hypotheses using appropriate methodology, identifying and evaluating constraints, formulating implementation plans, and establishing success criteria. The goal of problem solving is to find and implement a solution.

Analytical Thinking

The process of breaking down complex informaiton or ideas into simpler parts to understand how the parts relate or are organized. Analytical thinking involves identifying the underlying structure of complex informaiton or ideas. Tasks at the analysis level require the learner to take the material apart and examine the pieces to identify logical errors (point out a contradiction or an erroneous inference), draw relationships between ideas, and/or compare and contrasts. Verbs that describe learning outcomes include:

Deduce	break down	relate
Outline	infer	diagram
Illustrate	subdivide	point to (out)

Communication

- Understands and makes him/herself understood
- Conveys information clearly and concisely
- Communicates effectively for a variety of purposes
- Expresses his/her needs, desires, and opinions
- Accesses tools, information, and strategies from a variety of resources
- Communicates effectively with diverse audiences

Principles, Substance, and Methodologies

Each of the disciplinary clusters represented in the distribution requirements below will develop student competency as described in the description for each Group Requirement.

Program Overview

There are two types of courses in General Education: Core and Group Distribution Requirements.

Core Courses (16 credits)

The Core Courses are designed to contribute to students' knowledge of the human experience in a variety of ways. Having completed the Core Courses, a student will be able to comprehend the breadth and depth of ideas related to human activity of both mind and body.

Student Learning Outcomes:

Students will demonstrate:

- Knowledge of at least one of the varying forms of artistic expression
- Enhanced oral communication skills
- Enhanced written communication skills
- Knowledge of behaviors that promote personal well-being.

Courses:

General Education Core

All students should take COM 1101 and ENG 1112 during their first year.

- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- ENG 3313 - COMPOSITION II

  ENG 3313W must be passed with a grade of “C-“ or better.

Fine Arts (3 credits)

- ARH 1101 - INTRODUCTION TO ART
- MU 1101 - INTRODUCTION TO MUSIC

Wellness (3 credits)

- AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES
- BUS 2202 - PERSONAL FINANCE
- HPE 1168 - BLS FOR HLTH CARE PROVIDERS

- HPE 1200 - PERSONAL and COMMUNITY HEALTH
- HPE 3340 - FIRST AID and CPR
- HPE 3345 - WILDERNESS FIRST AID / CPR
- MEN 3331 - MOUNTIE MARCHING BAND
- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE
- NUR 4402 - WOMEN’S HEALTH ISSUES
- NUR 4410 - ALTERNATIVE AND COMPLEMENTARY THERAPIES
- NUR 4433 - HEALTH PROMOTION
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 2421 - DEATH AND DYING
- REC 1310 - ROCK CLIMBING
- REC 1320 - MOUNTAIN BIKING
- REC 1330 - RIVER GUIDING
- REC 1340 - KAYAKING
- REC 1550 - NATURE PHOTOGRAPHY
- REC 1560 - OBSERVING ANIMALS
- REC 1570 - EDIBLE/MEDICINAL PLANTS

Group Distribution Requirements

General Education distribution requirements are satisfied through completion of courses in the Liberal Arts and Sciences disciplines. Students must satisfy the minimum requirements in each of the six following groups:

Group 1. Humanities (6 credits)

Students completing courses in the humanities acquire an understanding of the historical and philosophical traditions that shape the world. Courses examine historical and philosophical issues critically and comparatively through reading and discussing fundamental texts from the world's traditions.

Courses:

African American Studies

- AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES

Canadian Studies

- CDN 1101 - INTRODUCTION TO CANADA

Honors

- HON 1111 - HUMANITIES HONORS I
- HON 1112 - HUMANITIES HONORS II

History

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 2220 - WORLD WAR II
- HST 2226 - FILM AS HISTORY
- HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY
- HST 3266 - HISTORY OF BASEBALL
- HST 3271 - AMERICAN REVOLUTION ON FILM
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763
- HST 3302 - HISTORY OF THE EARLY REPUBLIC 1789 - 1848
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 4401 - HISTORY OF PENNSYLVANIA

Philosophy

- PHL 2200 - CRITICAL THINKING
- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 2259 - PHILOSOPHY OF RELIGION
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE
- PHL 3230 - FORMAL LOGIC
- PHL 3260 - PROFESSIONAL ETHICS
- PHL 3300 - PHILOSOPHY OF THE ARTS
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3340 - ETHICS
- PHL 3380 - HEALTH CARE ETHICS

Women's Studies

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

Group 2. English and Modern Languages (6 credits)

Foreign Languages

> Students completing foreign language courses will have an appropriate level of skill in speaking, reading, writing, and listening to the target language.
> Students who opt to fulfill their language and literature requirement with 6 credits of a foreign language are required to take two consecutive courses, of the same language (note: the second course must be at a higher level). Students who have previously studied a language are strongly encouraged to begin with the second or the third semester of the language, not with the first, but should consult with the foreign language faculty for placement.

Literature

> Students completing literature courses will have a knowledge of literary texts–their genres, literary devices, historical and cultural background, significance for readers today – and the analytical tools needed to work with these texts.

Courses:

> Any course in the Foreign Languages.

English

ENG/UNV 2255

- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 2208 - READINGS IN AMERICAN LITERATURE
- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 2252 - INTRODUCTION TO POETRY WRITING
- ENG 2254 - INTRODUCTION TO FICTION WRITING
- ENG 2268 - SURVEY OF BRITISH LITERATURE

- ENG 2278 - SURVEY OF AMERICAN LITERATURE
- ENG 2299 - MONSTERS IN LITERATURE AND FILM
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3316 - CREATIVE NONFICTION WRITING
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LGBTQ LITERATURE
- ENG 3332 - NATURE WRITING
- ENG 3389 - GRAPHIC NOVEL

Group 3. Mathematics (3 credits)

Students completing MA-prefix courses develop an ability to understand and to utilize numerical data and mathematical methods for analysis and problem solving.

Courses:

All MA Prefix courses except:

- MA 0090 - BASIC ALGEBRA

Group 4. Natural Sciences (6 credits)

Students completing courses in the natural sciences experience scientific experimentation through laboratory exercises, focus on the nature of scientific reasoning, discovery, and invention through the systematic exploration of basic concepts. Students will complete at least one laboratory course.

Some courses have associated lab and / or recitation components. All components of such a lab course must be taken together. If a student fails one component of a course, all components of the course must be retaken to get credit for the course.

Courses:

Astronomy

- AST 1105 - THE SOLAR SYSTEM
- AST 1106 - STARS AND GALAXIES
- AST 1109 - OBSERVING THE WINTER SKY
- AST 1110 - OBSERVING THE SPRING SKY
- AST 1111 - OBSERVING THE SUMMER SKY

Biology

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BSC 1101 - GENERAL BIOLOGY
- BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS
- BSC 1103 - ENVIRONMENTAL BIOLOGY

- BSC 1104 - HUMAN BIOLOGY
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- BSC 2294 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES

Chemistry

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1103 - CHEMISTRY AND THE ENVIRONMENT
- CHM 1105 - HOW DRUGS WORK
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II

Geology

Honors

- HON 1107 - MACRO PHYSICAL SCIENCE
- HON 1108 - MICROPHYSICAL SCIENCE

Physics

- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

Science

- SCI 1104 - FORENSIC SCIENCE
- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

Group 5. Social Sciences (9 credits)

Students completing courses in the social sciences examine the structure and organizing principles of human societies, including their psychological and cultural dimensions, as well as their economic, social, and political foundations.

Courses:

Anthropology

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY

Economics

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS

Geography

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA
- GEG 3381 - GEOGRAPHY OF PENNSYLVANIA

Leadership

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES

Political Science

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2204 - STATE AND LOCAL POLITICS
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 4402 - THE US PRESIDENCY

Psychology

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3292 - CHILD PSYCHOLOGY
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- PSY 3325 - ADVANCED LEADERSHIP
- PSY 3391 - PSYCHOLOGICAL DISORDERS

Sociology

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2203 - TELEPHONE SURVEY RESEARCH
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 2260 - SOCIAL STRATIFICATION

- SOC 3305 - SOCIOLOGY OF RELIGION
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER
- SOC 3322 - SOCIOLOGY OF AGING
- SOC 3360 - SOCIOLOGY OF MEDICINE
- SOC 3365 - DISABILITY AND SOCIETY
- SOC 3370 - SOCIOLOGY OF CHILDHOOD

Group 6. General Education Elective (9 credits)

Any courses, regardless of level (1000-4000), from the same disciplines approved for Distribution Group Requirements (Groups 1 through 5) may be used as a General Education Elective. Any Art History (ARH) or Art (ART), Communications (COM), Music (MU), or Theatre (THT) course may also be used as a general education elective. Introductory courses in certain professional departments are approved as acceptable General Education Electives. If this area is then selected as a major, the course must be replaced with another General Education or Professional course. One Professional Course may be selected from the following approved courses: (A Professional Course is not required to complete this group).

- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION
- SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION

Global Awareness (G)

Global awareness opens doors into varied cultures and furthers an understanding of our complex world. It considers the perspectives of peoples from cultures and circumstances other than one's own, and the major challenges facing humankind requiring global cooperation, while also recognizing the phenomena that engender continued conflict and competition in an increasingly interdependent world.

All students will complete three designated Global Awareness (G) courses.

Transfer students have the following exceptions:

Students who transfer in 31-60 credits musts complete two "G" courses (any level).
Students who transfer in 61 or more credits must complete one "G" course.

Associate Degree candidates must complete one "G" course.

Student Learning Outcomes:
Student will:

- Identify major global issues.
- Examine global issues from multiple perspectives.
- Examine the concepts of power, gender, race and class intra- and inter-culturally.
- Compare and contrast their own beliefs and attitudes with those of other national, cultural, racial, ethnic, gender, and religious groups.

Courses: List Subject to Change

All foreign language courses are Global

- ANH 2255

- ACC 3320 - ADVANCED ACCOUNTING I
- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- ARH 4410 - WOMEN IN ANCIENT GREEK ART
- ART 1107 - GLOBAL ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 3271 - CERAMICS
- ART 3338 - MULTICULTURAL CRAFTS
- BI 3333 - PLANTS AND PEOPLE
- BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BSC 2294 - NATURAL AND CULTURAL HISTORY OF THAILAND
- BUS 3310 - MANAGING DIVERSITY
- BUS 3321 - INTERNATIONAL BUSINESS
- CDN 1101 - INTRODUCTION TO CANADA
- CDN 4490 - SELECTED TOPICS IN CANADIAN STUDIES
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 4309 - E-COMMERCE SYSTEMS
- CIS 4410 - MIS SEMINAR
- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3332 - INTERCULTURAL COMMUNICATION
- ECO 3333 - INTERNATIONAL ECONOMIC ISSUES AND POLICY
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3352 - SHAKESPEARE
- ENG 3360 - BRITISH LITERATURE SINCE 1900
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT
- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 2220 - WORLD WAR II
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3345 - (W)MIDDLE AGES: LIFE AND CULTURE

- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR
- MKT 4422 - INTERNATIONAL MARKETING
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 4433 - HEALTH PROMOTION
- PHL 3330 - EASTERN PHILOSOPHY
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3377 - LATIN AMERICAN POLITICS
- PSC 4412 - TOPICS IN GLOBAL POLITICS
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2421 - DEATH AND DYING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3312 - DEVIANT BEHAVIOR AND SOCIAL PROCESS
- PSY 4422 - PSYCHOLOGY OF WOMEN
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2260 - SOCIAL STRATIFICATION
- SOC 3305 - SOCIOLOGY OF RELIGION
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER

Information Literacy (I)

Information Literacy is a fundamental component of the educational process in which a student learns how to think actively and critically about information. Courses designated as Information Literacy (I), require students to become skilled users of information sources in many locations and formats, thereby increasing their responsibility for their own learning.

All students will complete three designated Information Literacy (I) courses. At least two “I” courses must be at the Upper Division level.

Transfer students have the following exceptions:

Students who transfer in 31-60 credits musts complete two “I” courses (one Upper Division and one Lower Division).
Students who transfer in 61 or more credits must complete one Upper Division “I” course.

Associate Degree candidates must complete one “I” course.
Applied Associate Degree candidates must complete one “I” course.

Student Learning Outcomes:

Students will:

- Recognize the significance of information in solving everyday problems.
- Identify a wide variety of information resources (both format and source).
- Identify needed information to solve a given problem or understand an issue.
- Recognize distortion, and other misuses of information.
- Gather, synthesize, analyze, interpret, and evaluate information.
- Use information effectively to address a given problem or issue.
- Present information issues and solutions to others.

Courses: List subject to change

- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS
- ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- ART 1107 - GLOBAL ART
- BI 3310 - PHYSIOLOGY
- BI 3318 - ORNITHOLOGY
- BUS 3260 - ENTREPRENEURSHIP
- BUS 3310 - MANAGING DIVERSITY
- BUS 3321 - INTERNATIONAL BUSINESS
- BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY
- CHM 4410 - SEMINAR
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CIS 3303 - WEB SITE DESIGN
- CIS 3304 - ADVANCED WEB DESIGN
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 4410 - MIS SEMINAR
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 3357 - CORRECTIONAL STRATEGIES
- CJA 3395 - DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM
- CJA 4475 - SERIAL MURDER
- CJA 4490 - SENIOR SEMINAR
- COM 1101 - ORAL COMMUNICATION
- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 4400 - COMMUNICATION THEORY

- COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT
- COM 4440 - COMMUNICATION LAW
- ECO 3333 - INTERNATIONAL ECONOMIC ISSUES AND POLICY
- ED 2260 - ASSESSMENT IN EDUCATION
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4460 - PROFESSIONAL SEMINAR
- ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY
- ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES
- ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- ELE 4460 - PROFESSIONAL SEMINAR
- ENG 1112 - COMPOSITION I
- ENG 3352 - SHAKESPEARE
- ENG 4401 - SEMINAR IN LITERARY STUDIES
- GEG 3364 - GEOSTATISTICS
- GEL 3500 - GEL MAPPING/ANALYSIS
- HON 4497 - SENIOR RESEARCH PRESENTATION
- HST 2226 - FILM AS HISTORY
- HST 3266 - HISTORY OF BASEBALL
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3290 - HISTORICAL METHODS
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3307 - CONTEMPORARY AMERICA
- HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945
- HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3326 - HISTORY OF WOMEN AND TELEVISION
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- HST 3345 - (W)MIDDLE AGES: LIFE AND CULTURE
- HST 3350 - INTRODUCTION TO PUBLIC HISTORY
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR
- HST 4401 - HISTORY OF PENNSYLVANIA
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID

- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4496 - SENIOR SEMINAR
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MKT 3330 - MARKETING
- MKT 3334 - MARKETING RESEARCH
- MKT 4422 - INTERNATIONAL MARKETING
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 4433 - HEALTH PROMOTION
- PHL 2200 - CRITICAL THINKING
- PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- PHL 4423 - TWENTIETH CENTURY PHILOSOPHY
- PHL 4490 - SEMINAR
- PHY 3316 - DIGITAL ELECTRONICS
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS
- PSC 3377 - LATIN AMERICAN POLITICS
- PSC 4402 - THE US PRESIDENCY
- PSC 4404 - CONSTITUTIONAL LAW
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 2206 - RESEARCH METHODS I
- PSY 3301 - THEORIES OF COUNSELING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4441 - FORENSIC PSYCHOLOGY
- PSY 4490 - SENIOR SEMINAR
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2203 - TELEPHONE SURVEY RESEARCH
- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS
- SOC 3357 - SOCIOLOGY OF EDUCATION
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 3400 - BECOMING A PROFESSIONAL: SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL
- SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED
- SPE 4460 - PROFESSIONAL SEMINAR
- SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS
- SWK 3308 - EVALUATION RESEARCH

Writing Across the Curriculum (WAC)

The Writing Across the Curriculum program helps you become a competent writer through assignments in designated writing courses which require different conventions of purpose and audience, different formats and styles, and different kinds of writing for various disciplines. These writing courses are drawn from all areas of the curriculum and involve students in regular, frequent writing. Writing Across the Curriculum requirements are satisfied by completing ENG 1112W, ENG 3313W, and three writing designated (W) courses, at least one of which must be an upper-level course.

Transfer students must complete ENG 1112W and ENG 3313W or transfer equivalent writing courses from another institution. Students who transfer in 1-30 credits must complete the normal three additional “W” courses. Students who transfer in 31-60 credits must complete two additional “W” courses (at least one must be at 3000 level or above). Students who transfer in over 60 credits must complete one additional “W” course at the 3000 level or above.

Two writing across the curriculum courses are required in addition to ENG 1112W for Associate Degree Programs.

Associate Degree Students and General Education

Core as Follows:

Associate degree-seeking students must complete 11 credits within the:

- Fine arts course
- One credit of Wellness
- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I

Note:

Our associate degree programs are designed to provide the foundational coursework for students wishing to complete a bachelor’s degree program.

Additional Requirements

All associate degree students must complete the required courses in at least three of the five distribution group areas.

Students seeking the AA degree must earn at least 20 credits within the distribution group areas. Students seeking the AS or AAS degree must earn at least 14 credits within the distribution group areas.

[Archived Catalog]

GENERAL EDUCATION 2011 catalog or later

For students in a program with a 2011 or later catalog year

General Education Mission Statement

The general education program promotes character, scholarship, culture, and service through broad-based study in the liberal arts disciplines. Attributes we seek to foster include an inquiring mind, effective communication, use of varied means of seeking truth and acquiring knowledge, a sense of global connectedness, understanding and evaluation of multiple perspectives, ethical reasoning, the exercise of civic responsibility, and the lifelong pursuit of personal growth.

Why You Should Care About General Education

When you embrace the general education program as something of value rather than merely a set of courses that you need to complete, you gain the knowledge and skills, and begin to develop dispositions that are the hallmarks of a college-educated person. You also begin to view the world and live your life differently because a general education program, well-constructed and conscientiously pursued, challenges you.

You learn to reason more clearly and communicate more effectively. You learn from the ideas of great thinkers over the centuries, the cumulative and constantly changing knowledge of human experience. You learn to evaluate multiple perspectives on difficult issues. You increase your awareness of cultural diversity and the global complexities and inter-connectedness of the modern world. You gain greater appreciation for the fine arts and beauty in its many forms. You learn to seek and find truth and to question conventional thinking. You become skilled at problem-solving. You gain a better scientific understanding of the natural world. And you begin to better understand yourself – your beliefs, your motivations, your relationships, your actions, your passions, and your humanity.

The breadth of study in the general education program supports and complements the in-depth study in your major program, and as such extends throughout your undergraduate experience. The general education program teaches you some of the varied ways of thinking, knowing, and seeing that are employed in a wide range of liberal arts disciplines. It imparts a sense that we are all connected to others in important ways and that our personal freedoms, talents, and advantages carry with them important responsibilities. Most of all, we hope that the general education program instills in you a love of lifelong learning and inspires you to do important things with your life that help make the world a better place.

Goals of General Education

The general education program at Mansfield University embraces our position as a public university guided by the liberal arts tradition. General education courses throughout their Mansfield University career challenge students to seek an understanding of the world through an exploration of intellectual frameworks including the natural and social sciences, the humanities, the arts, languages, and mathematics. Students grow in knowledge, skills, and dispositions through broad-based study in the liberal arts disciplines.

As a result of their engagement with the general education program, we want Mansfield University students to

Acquire Knowledge of

- western culture and its relationship to non-western cultures
- the foundations and characteristics of educated discourse

- the unity and diversity of humanity
- fine arts and aesthetics
- the intricate complexities of life on the planet
- scientific information as it is applied to personal and social decisions
- the approaches of the liberal arts disciplines

Exhibit skills in

- critical and analytical thinking
- effective written and oral communication
- the use of more than one language
- inquiry and research, including:
    - posing thoughtful questions
    - gathering relevant information
    - evaluating multiple viewpoints
    - constructing cogent arguments
    - weighing evidence
- quantitative reasoning
- problem-solving

Develop dispositions to

- form a coherent, independent philosophy of life
- make socially responsible and personally fulfilling life choices
- live sustainably
- value knowledge and continuing growth
- form opinions and modify positions based on evidence
- reason ethically and act with integrity
- promote social justice and peace

The general education program promotes connections, challenges students to think differently, encourages lifelong learning and personal growth, prepares students for leadership in a rapidly changing world, and inspires students to live engaged lives.

General Education Outline

A. Foundations of Knowledge (12 credits)

First Year Seminar (3)

- FYS 1100 - FIRST YEAR SEMINAR

Written Communication (6)

Lower-Level Writing (3 credits)

- ENG 1112 - COMPOSITION I
- ESL 1112 - ESL COMPOSITION

Upper-Level Writing (3 credits)

- ENG 3313 - COMPOSITION II
- ESL 3313 - ESL COMPOSITION II

Oral Communication (3)

- COM 1101 - ORAL COMMUNICATION
- COM 1102 - EFFECTIVE PUBLIC SPEAKING
- COM 1103 - SPEAKING EFFECTIVELY IN GROUPS

B. Approaches to Knowledge (18-20 credits)

• Humanities (6, Courses must have a different prefix)

Art History

- ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART

Communication

- COM 2220 - ELECTRONIC MEDIA HISTORY
- COM 3274 - GAY and LESBIAN FILM IMAGES

English

- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 2208 - READINGS IN AMERICAN LITERATURE
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 2268 - SURVEY OF BRITISH LITERATURE
- ENG 2278 - SURVEY OF AMERICAN LITERATURE
- ENG 2299 - MONSTERS IN LITERATURE AND FILM
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3331 - CIVIL RIGHTS NOVEL
- ENG 3346 - AMERICAN LITERATURE AND CULTURE
- ENG 3347 - BRITISH LITERATURE AND CULTURE
- ENG 3348 - WORLD LITERATURE AND CULTURE
- ENG 3376 - GENRE IN CONTEXT
- ENG 3385 - AUTHOR IN CONTEXT

- ENG 3386 - READINGS IN YOUNG ADULT LITERATURE

History

- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 2226 - FILM AS HISTORY
- HST 2230 - HISTORY OF SEXUALITY
- HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY
- HST 3271 - AMERICAN REVOLUTION ON FILM
- HST 3272 - AMERICAN WOMEN'S HISTORY ON FILM
- HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763
- HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789
- HST 3304 - CIVIL WAR AND RECONSTRUCTION
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3326 - HISTORY OF WOMEN AND TELEVISION
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3350 - INTRODUCTION TO PUBLIC HISTORY
- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3401 - PENNSYLVANIA HISTORY

Honors

- HON 1111 - HUMANITIES HONORS I

Music

- MU 1101 - INTRODUCTION TO MUSIC
- MU 2205 - WOMEN IN MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC

Outdoor Recreation Leadership

- REC 3200 - WOMEN OUTDOORS

Philosophy

- PHL 2200 - CRITICAL THINKING
- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2259 - PHILOSOPHY OF RELIGION
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE
- PHL 3250 - PHILOSOPHY AND POPULAR CULTURE
- PHL 3260 - PROFESSIONAL ETHICS
- PHL 3300 - PHILOSOPHY OF THE ARTS

• Mathematics (3-4)

- MA 1115 - SURVEY OF MATHEMATICAL IDEAS
- MA 1125 - INTRODUCTORY STATISTICS
- MA 1128 - COLLEGE ALGEBRA
- MA 1129 - FINITE MATHEMATICS
- MA 1135 - MATH APPLICATIONS IN INDUSTRY
- MA 1165 - PRE-CALCULUS MATHEMATICS
- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- MA 2231 - CALCULUS I

• Natural and Physical Sciences (3-4, Must have a laboratory component)

Astronomy

- AST 1105 - THE SOLAR SYSTEM
- AST 1106 - STARS AND GALAXIES

Biology

- BI 1110 - ZOOLOGY
- BSC 1101 - GENERAL BIOLOGY
- BSC 1104 - HUMAN BIOLOGY

Chemistry

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 1111 - GENERAL CHEMISTRY I

Geography

- GEG 1111 - PHYSICAL GEOGRAPHY

Geology

- GEL 1125 - PHYSICAL GEOLOGY
- GEL 1200 - ENVIRONMENTAL GEOLOGY

Physics

- PHY 1191 - PHYSICS I
- PHY 2210 - GENERAL PHYSICS I

Science

- SCI 1104 - FORENSIC SCIENCE

- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II
- SCI 1125 - THE SCIENCE OF MUSIC

• Social and Behavioral Sciences (6, Courses must have a different prefix)

Anthropology

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY

Communication

- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 2221 - INTERPERSONAL CONFLICT
- COM 3271 - QUEER TV
- COM 3273 - MASS MEDIA AND SOCIETY
- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3345 - THE DARK SIDE OF INTERPERSONAL COMMUNICATION

Economics

- ECO 1001 - INTRODUCTION TO ECONOMIC THINKING
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

Political Science

- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2245 - TERRORISM
- PSC 3350 - HUMAN RIGHTS

Psychology

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3310 - SOCIAL PSYCHOLOGY

Sociology

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 2200 - RACISM IN AMERICA
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 2260 - SOCIAL STRATIFICATION
- SOC 3310 - SOCIOLOGY OF SEX AND GENDER
- SOC 3322 - SOCIOLOGY OF AGING

- SOC 3360 - SOCIOLOGY OF MEDICINE
- SOC 3365 - DISABILITY AND SOCIETY
- SOC 3370 - SOCIOLOGY OF CHILDHOOD
- SOC 3395 - SOCIOLOGY OF WORK

C. Unity and Diversity of Humanity (12 credits)

• Global Perspectives (6)

Option 1: Language other than English (6, Must be two consecutive courses of the same language)

American Sign Language

- ASL 1101 - INTRODUCTORY AMERICAN SIGN LANGUAGE I
- ASL 1102 - INTRODUCTORY AMERICAN SIGN LANGUAGE II

Chinese

- CHN 1101 - INTRODUCTORY CHINESE I

French

- FR 1101 - INTRODUCTORY FRENCH I
- FR 1102 - INTRODUCTORY FRENCH II
- FR 2201 - INTERMEDIATE FRENCH I
- FR 2202 - INTERMEDIATE FRENCH II

German

- GER 1101 - INTRODUCTORY GERMAN I
- GER 1102 - INTRODUCTORY GERMAN II
- GER 2201 - INTERMEDIATE GERMAN I
- GER 2202 - INTERMEDIATE GERMAN II

Italian

- ITA 1101 - INTRODUCTION TO ITALIAN I
- ITA 1102 - INTRODUCTION TO ITALIAN II

Spanish

- SPA 1101 - INTRODUCTORY SPANISH I
- SPA 1102 - INTRODUCTORY SPANISH II
- SPA 1111 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE I
- SPA 1112 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE II
- SPA 2201 - INTERMEDIATE SPANISH I

- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2205 - PHONETICS AND PRONUNCIATION
- SPA 2213 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE III
- SPA 2214 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE IV
- SPA 2225 - SPANISH GRAMMAR REVIEW

Option 2: Western and Non-Western Global Cultures (6, Courses must have a different prefix)

Art

- ARH 3320 - ART OF AFRICA AND OCEANIA
- ART 1107 - GLOBAL ART
- ART 2238 - MULTICULTURAL CRAFTS

Business

- BUS 1140 - INTRODUCTION TO GLOBALIZATION
- BUS 3321 - INTERNATIONAL BUSINESS

Communication

- COM 3272 - FILM and SOCIETY
- COM 3332 - INTERCULTURAL COMMUNICATION
- COM 4435 - GLOBAL MEDIA

Community Health Education

- CHE 1120 - INTRODUCTION TO GLOBAL COMMUNITY HEALTH EDUCATION

Economics

- ECO 3333 - INTERNATIONAL ECONOMIC ISSUES AND POLICY

English

- ENG 3305 - COMPARATIVE LITERATURE

English as a Second Language

- ESL 1110 - INTERMEDIATE WRITING AND CULTURE FOR NON-NATIVE SPEAKERS

Geography

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 3010 - GEOGRAPHY FIELD RESEARCH: CULTURAL GEOGRAPHY OF SCOTLAND

History

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION
- HST 2220 - WORLD WAR II
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR

Management

- MGT 3360 - INTERNATIONAL MANAGEMENT

Mathematics

- MA 1117 - MATHEMATICS AND WORLD CULTURES

Nutrition

- NTR 3300 - CULTURAL NUTRITION

Philosophy

- PHL 3330 - EASTERN PHILOSOPHY

Political Science

- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3328 - GLOBALIZATION
- PSC 3365 - POLITICS IN DEVELOPING COUNTRIES
- PSC 3385 - FIELD RESEARCH ABROAD
- PSC 3380 - MIDDLE EAST POLITICS

Sociology

- SOC 3388 - SOCIOLOGY OF CHINA

Watershed Management

- WSM 3300 - GLOBAL WATER ISSUES

World Languages Culture

- WLC 2500 - INTRODUCTION TO PARIS
- WLC 2510 - INTRODUCTION TO GERMAN FILM
- WLC 2520 - INTRODUCTION TO LATIN AMERICAN CULTURES
- WLC 3320 - FRANCE THROUGH FILM

- WLC 3336 - GERMANY A VIRTUAL TOUR
- WLC 3340 - FRENCH GRAPHIC LITERATURE
- WLC 3350 - CONTEMPORARY LATIN AMERICAN FILM

• Themes (6 from at least two strands)

• Strand 1: Ethics and Civic Responsibility (3)

African American Studies

- AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES

Biology

- BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS

English

- ENG 2222 - SLAVE NARRATIVE
- ENG 2223 - CIVIL RIGHTS AUTOBIOGRAPHY
- ENG 3328 - LGBTQ LITERATURE

History

- HST 4403 - THE US PRESIDENCY

Leadership

- LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES

Nursing

- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE

Philosophy

- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 2205 - LAW, MORALITY and AUTHORITY
- PHL 3320 - PHILOSOPHY OF LAW
- PHL 3340 - ETHICS
- PHL 3380 - HEALTH CARE ETHICS

Political Science

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2204 - STATE AND LOCAL POLITICS
- PSC 4402 - THE US PRESIDENCY
- PSC 4404 - CONSTITUTIONAL LAW

Psychology

- PSY 3309 - STEREOTYPING AND PREJUDICE

Social Work

- SWK 2500 - DIVERSITY AND SOCIAL JUSTICE
- SWK 3321 - CHILD WELFARE

Sociology

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 3415 - AMERICAN VALUES IN CONFLICT

Women's Studies

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

• Strand 2: Environmental, Economic, Social, and Personal Sustainability (1-3)

Biology

- BSC 1103 - ENVIRONMENTAL BIOLOGY
- BSC 3071 - MICROBES AND HUMAN HEALTH
- BSC 3082 - CANCER AWARENESS
- BSC 3100 - CONSERVATION AND BIODIVERSITY

Business

- BUS 2202 - PERSONAL FINANCE

Chemistry

- CHM 1105 - HOW DRUGS WORK

English

- ENG 2237 - ENVIRONMENTAL LITERATURE AND SUSTAINABILITY
- ENG 3322 - FOOD LITERATURE
- ENG 3332 - NATURE WRITING

Geography

- GEG 1122 - ENVIRONMENTAL ISSUES

Health & Physical Education

- HPE 1200 - PERSONAL and COMMUNITY HEALTH
- HPE 3340 - FIRST AID and CPR

- HPE 3345 - WILDERNESS FIRST AID / CPR

Honors

- HON 2500 - WHY BECOME EDUCATED?

Music

- MEN 3331 - MOUNTIE MARCHING BAND

Nutrition

- NTR 1101 - PERSONAL NUTRITION
- NTR 2211 - INTRODUCTION TO NUTRITION

Outdoor Recreation Leadership

- REC 1200 - INTRODUCTION TO OUTDOOR RECREATION
- REC 1310 - ROCK CLIMBING
- REC 1320 - MOUNTAIN BIKING
- REC 1380 - TEAM BUILDING / LOW ROPES ELEMENTS
- REC 1390 - HIKING AND BACKPACKING

Philosophy

- PHL 3316 - ENVIRONMENTAL ETHICS

Psychology

- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 2421 - DEATH AND DYING
- PSY 3319 - POSITIVE PSYCHOLOGY

Social Work

- SWK 3327 - ADDICTION: ASSESSMENT, TREATMENT, & PREVENTION

Sociology

- SOC 3342 - ENVIRONMENTAL SOCIOLOGY

• Strand 3: Arts & the Human Experience (1-3)

Art

- ARH 1101 - INTRODUCTION TO ART
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2248 - DRAWING

- ART 3261 - WATER BASE MEDIA
- ART 3271 - CERAMICS
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES
- ART 3330 - DIGITAL PHOTOGRAPHY

English

- ENG 2252 - INTRODUCTION TO POETRY WRITING
- ENG 2254 - INTRODUCTION TO FICTION WRITING
- ENG 3252 - ADVANCED POETRY WRITING
- ENG 3254 - ADVANCED FICTION WRITING
- ENG 3316 - CREATIVE NONFICTION WRITING
- ENG 3389 - GRAPHIC NOVEL

Graphic Design

- GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA

Honors

- HON 1112 - HUMANITIES HONORS II

Music

- MEN 3300 - CONCERT CHOIR
- MEN 3301 - FESTIVAL CHORUS
- MEN 3306 - MUSICAL THEATRE PRODUCTION
- MEN 3330 - CONCERT WIND ENSEMBLE
- MEN 3332 - SYMPHONIC BAND
- MEN 3335 - CONCERT JAZZ BAND
- MEN 3337 - JAZZ LAB BAND
- MEN 3350 - ORCHESTRA
- MU 1107 - BASIC GROUP PIANO
- MU 1108 - BASIC GROUP VOICE
- MU 1109 - BASIC GROUP GUITAR
- MU 1117 - INTERMEDIATE GROUP PIANO
- MU 2202 - HISTORY OF ROCK N' ROLL, POP, AND SOUL
- MU 2203 - MUSIC AND THE SOUNDS OF FILM

D. Capstone Project (this is accomplished within the major and may take any appropriate form, e.g., portfolio, research paper, performance, etc.)

TOTAL HOURS 42-44.

General Education courses are not simply to be started and completed in the first few semesters of a student's university career: general education should be wound throughout a student's time at Mansfield. This is why a minimum of 9 credit hours in General Education must

be completed at the 3000-4000 level. At Mansfield University, the First Year Seminar marks the beginning of a student's general education experience, and the Senior Capstone Project marks the completion of the experience.

The General Education Curriculum is designed to give a student breadth in content and ample opportunities to develop fundamental skills. This is why a particular course can appear only once in the General Education Program. The same prefix may not be used for more than 6 credits to fulfill general education requirements across the Knowledge and Unity and Diversity of Humanity areas.

Students need to complete courses in at least two of the three strands: Ethics & Civil Responsibility; Environmental, Economic, Social, and Personal Sustainability; and Arts & the Human Experience.

General Education seeks to foster an inquiring mind, the ability to communicate effectively, the use of varied means of seeking truth and acquiring knowledge, a sense of global connectedness, the ability to evalutate multiple perspectives, the use of ethical reasoning, the exercise of civic responsibility, and the lifelong pursuit of personal growth.

[Archived Catalog]

Geographic Information System, Certificate

Offered by the Department of Natural Sciences

The Geographic Information System Certificate Program will teach students to analyze spatial data, develop technical mapping skills, and apply visual design principles to their practice by learning both traditional and robust analytical software, along with the latest interactive tools. This, along with a heavy emphasis on design, enables students to make compelling, data-driven maps and visualizations to solve real-world problems.

Objectives

- Educate students in geospatial technologies.
- Provide opportunities to analyze data, explore issues, problem solve, and evaluate situations.
- Gather and convey information effectively.
- Behave appropriately and safely in a shared learning environment.

Learning Outcomes

- Comprehend fundamental concepts and practices of Geographic Information Systems (GIS) and advances in Geospatial Information Science and Technology (GIS&T).
- Demonstrate proficiency in the use of GIS tools to create maps that are fit-for-purpose and effectively convey the information they are intended to.
- Effectively communicate and present project results in oral, written, and graphic forms.

Program Requirements: Geographic Information System, Certificate: 14 s.h.

- GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE
- GEG 3000 - COMPUTER AIDED DESIGN
- GEG 3225 - ADVANCED GEOGRAPHIC INFORMATION SCIENCE
- GEOS 3430 - REMOTE SENSING

Total Credit Hours: 14

[Archived Catalog]

Occupational Safety, Certificate

Offered by the Department of Natural Sciences

The Occupational Safety Certificate program will prepare graduates to evaluate and remediate workplace and environmental hazards in order to promote public health. Graduates will apply principles of math, science, and communication to protect people, property and the environment. The program prepares students for a career in industrial hygiene, industrial safety and health, risk management, regulatory compliance, and occupational health.

Objectives

- Apply regulations and professional guidelines to evaluate and manage workplace and environmental health and safety.
- Make independent observations and assessments of health and safety conditions.
- Communicate effectively to gather and convey information.
- Behave appropriately and safely in a shared learning environment.

Learning Outcomes

- Recognize and evaluate workplace and environmental hazards; recommend control measures and accident prevention strategies.
- Develop a written accident prevention and safety management program.
- Conduct training and presentations on safety and health topics.

Program Requirements: Occupational Safety, Certificate: 12 s.h.

- SFM 1101 - INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY
- SFM 1800 - JOB SITE SAFETY
- SFM 3001 - SAFETY PROGRAM MANAGEMENT
- SFM 3002 - CRITICAL INCIDENT MANAGEMENT

Total Credit Hours: 12

[Archived Catalog]

Post-Baccalaureate Teacher Certifications

Post-Baccalaureate Teacher Certifications: Non-Degree and Undergraduate

The Post-Baccalaureate Teacher Certification options are designed for individuals holding baccalaureate degrees who desire to earn Pennsylvania Department of Education certification in the following areas:

Certification (Undergraduate) - Early Childhood Education (Grades PreK-4)

Certification (Undergraduate) - English Education (Grades 7-12)

Certification (Undergraduate) - Earth and Space Science Education (Grades 7-12)

Certification (Undergraduate) - Mathematics Education (Grades 7-12)

Certification (Undergraduate) - Music Education (Grades PreK-12)

Certification (Undergraduate) - Social Studies: History Education (Grades 7-12)

Certification (Undergraduate) - Special Education (Grades PreK-12)

The following stipulations apply to individuals seeking post-baccalaureate teacher certification:

- An applicant must have earned a bachelor's degree (not necessarily in Education) to be eligible to enter one of these programs. The applicant must also have earned a 3.00 overall GPA or higher with the bachelor's degree or a 3.00 overall GPA as calculated on the last 48 credits from the bachelor's degree. An applicant not meeting these overall GPA requirements may enter as a non-degree seeking student. If the applicant reaches a 3.00 or higher overall GPA based on 12 credits completed as a non-degree student, the applicant may then apply for admission to a teacher certification program. A non-degree student can take introductory-level Education courses required for the certification program but cannot take Upper Division Education courses until fully accepted into the certification program.
- These programs do not lead to degrees. Upon completion of one of these programs, the student is eligible to apply for PDE certification in the given subject area.
- In addition to these certification programs, we also offer bachelor's degrees (Bachelor of Science in Education or Bachelor of Music) in these areas: Early Childhood Education; Music Education; and Secondary Education with concentrations in Earth and Space Science, English, Mathematics, Social Studies, or Special Education. Applicants can choose to complete one of these degree programs as a second degree student, or choose to complete the corresponding non-degree certification instead. A student must complete at least 30 credits at Mansfield after the first bachelor's degree to earn the second degree. Student teaching and observation / participation courses do not count towards the 30 credits. If a student chooses to complete the post-baccalaureate certification and not a second bachelor's degree, he or she needs to complete only those specific credits required for the certification program.

[Archived Catalog]

Pre-Professional Medical Sciences, Certificate, Post-Baccalaureate

Offered by the Department of Chemistry and Physics

Mansfield University's Post Baccalaureate Pre-Professional School Programs provide the coursework, advising, and opportunities needed to meet a wide range of different student needs.

These programs are great for:

- Individuals who already have a Bachelor's degree but are lacking the specific science prerequisites for professional school (considered a career change). *One to two-year program, depending on previous coursework.*
- Individuals who have completed many of the prerequisite courses but are aiming to improve their understanding of the course material and thereby improve their GPA. *One to two-year program; specific to each individual's previous grades.*

These programs provide:

- Affordability: Courses for each program were hand-selected as an important requirement for admittance to Professional Schools. For reach required course, courses previously taken will be accepted if a B or better was earned as part of a BS or BA degree.
- Individuality: Each student will work with an advisor to determine and create a program catered to each student's needs. The student's long term goals and previous transcripts will be discussed to create an individualized program plan.
- Option to boost GPA: For those students who have already earned a BS or BA in Biology or a related field, students can retake specific courses. Each student will work with an advisor to create an individualized program plan and will have a choice as to which and how many courses should be retaken.

Mansfield University's Post Baccalaureate Pre-Professional School Programs Include a Post Baccalaureate Certificate in:

- Pre-Dentistry
- Pre-Medicine / Biomedical Studies
- Pre-Physician Assistant
- Pre-Veterinary Medicine

General Course Requirements: Year One

	Fall:	Spring:
Biology Requirement:	Genetics	Cell Biology
Physics Requirement:	General Physics 1*	General Physics 2*
Chemistry Requirement:	General Chemistry 1	General Chemistry 2

**In the Pre-Physician Assistant Program, Human Anatomy & Physiology will be taken in place of Physics.*

General Course Requirements: Year Two

	Fall:	Spring:
Biology / Math Requirement:	Microbiology	Calculus*
Biology Requirement / Elective:	Biochemistry*	Elective 1
Chemistry Requirement:	Organic Chemistry 1	Organic Chemistry 2

**In the Pre-Physician Assistant Program, Statistics will be taken in place of Calculus, and an additional Elective will be taken in place of Biochemistry.*

Electives by Program:

- Pre-Dentistry: Molecular Biology
- Pre-Medicine / Biomedical Studies: Human Anatomy & Physiology, Immunology, Molecular Biology, Statistics, Nutrition
- Pre-Physician Assistant: Nutrition, Behavioral Sciences such as Psychology
- Pre-Veterinary Medicine: Physiology, Parasitology

Certificate Requirements:

A minimum of four out of the 12 required courses must be taken at Mansfield University *(up to eight previously taken courses may be counted towards the certificate).* A minimum course grade of a B or better is required for each course to be counted towards the certificate.

Additional Benefits of Mansfield University's Post Baccalaureate Pre-Professional School Programs include volunteer and shadowing opportunities. Mansfield University has connections to Dentistry, Medical, and Veterinary Centers and we can provide referrals and placement in these centers. Such positions enable students to gain invaluable first-hand experience in their field of interest.

Program Description:

The Post Baccalaureate Pre-Professional Program is designed to provide required and recommended coursework for applying to professional programs in the medical sciences. The Post Baccalaureate Pre-Professional Program has two tracks: Career Change or Career Enhancer. The Career Change track includes a variety of basic science programs for those students who never had the coursework in biology, chemistry, and physics that graduate and professional schools require. The Career Enhancer track is an advanced science program for students who already hold a BS or BA in Biology or Chemistry or other related field but did not earn high enough grades to be a competitive graduate or medical school applicant.

Program Learning Outcomes:

Upon completion of this programs, students will have a strong foundation in the knowledge and skills required to enter into a professional program in the medical sciences.

- Each student will demonstrate an appropriate level of conceptual understanding of biological and chemical concepts.
- Instrumentation Skills - Each student will be able to operate the various scientific instruments in the Biology and Chemistry departments correctly, and without help, to collect experimental data. All students will be monitored in laboratory classes (using a checklist) to ensure that they have appropriate levels of skills using laboratory instrumentation. Students will show the appropriate level of proficiency for each scientific instrument.
- Laboratory Skills - Each student will use correct laboratory techniques to collect data All students will show the appropriate level of proficiency for each laboratory skill (technique).

Program Requirements: Pre-Professional Medical Sciences, Certificate, Post-Baccalaureate: 44 - 47 s.h.

Pre-Dentistry

- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 4470 - MOLECULAR BIOLOGY
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Pre-Medicine / Biomedical Studies

- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take one course from the following:

- BI 3310 - PHYSIOLOGY
- BI 3374 - IMMUNOLOGY
- BI 4470 - MOLECULAR BIOLOGY
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- MA 1125 - INTRODUCTORY STATISTICS
- NTR 2211 - INTRODUCTION TO NUTRITION

Pre-Physician Assistant

- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II

- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- MA 1125 - INTRODUCTORY STATISTICS
- NTR 2211 - INTRODUCTION TO NUTRITION
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Pre-Veterinary Medicine

- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- MA 2231 - CALCULUS I
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II

Take one course from the following:

- BI 3310 - PHYSIOLOGY
- BI 3317 - PARASITOLOGY

Total Credit Hours: 44 - 47

[Archived Catalog]

The Great Conversations Honors Program

What is the Great Conversations Honors Program?

From its inception, thousands of years ago in Ancient Athens, a liberal education has been a holistic education focused on autonomy and engagement. It is meant to develop the person as a whole - mind, body, and spirit. It is ongoing and interconnected: learning is meant to be life-long and necessitates interaction with others of disparate beliefs, ideas, and backgrounds. Unlike other Honors programs that focus exclusively on academics, Mansfield University's Great Conversations Honors Program looks at students holistically and offers leadership opportunities for them to develop personally, academically, socially, and as citizens of the world.

Students in the Great Conversations Honors Program will engage in classes and activities that are specifically designed to help them develop the following real-world leadership skills and dispositions: accountability, professionalism, effective communication, confidence, empathy, compassion, team-building, and creative problem-solving.

The Great Conversations Honors Program was built on the following three presumptions:

> A liberal arts education is one that exposes students to a broad range of disciplines and perspectives, seeking to develop the student as a whole person not merely a disciple of the academy.
>
> The purpose of education is to push students beyond where they were when they entered into their learning experience.
>
> Meaningful learning can only happen in a relational manner.

The Great Conversations courses are designed to be academically rigorous, meaningful, inquiry-based learning opportunities that are focused on perennial questions of humanity. They are small seminar-style classes in which the students and faculty together embark on a journey of inquiry that leads them out of their comfort zones by examining the world through the lenses of multiple disciplines. The courses are inherently interdisciplinary and are designed to provoke discussions that carry over to the students' lives once the class period ends.

Meaningful learning can only occur in a relational manner. Great Conversations may begin in the classroom, but they may also begin outside of the classroom via the lecture and workshop series that helps to make up the co-curricular requirement of the program. The co-curricular piece of the program is designed to give Honors students a multitude of opportunities to experience each of the four parts of the Mansfield Creed: Character, Scholarship, Culture, and Service. The Honors co-curricular points system is designed to promote active participation and involvement of Honors students in the areas of extracurricular life that will contribute the most to their overall development as scholars, citizens, and leaders. More information about the opportunities within the various themes of Character, Scholarship, Culture, and Service can be found at the Great Conversations Honors Program webpage.

Who Can Join?

Mansfield University students enter the Honors program in a variety of ways.

A limited number of students who demonstrate superior academic achievement in high school, as reflected by way of their GPA, SAT and/or ACT score(s), and class rank are invited to accept early admission into the Great Conversations Honors Program.

Current Mansfield students who exhibit strong character, curiosity, and engagement are invited to enter the Great Conversations Honors Program based upon their successful application to the Director, which will include sponsorship on the part of a faculty or current Honors

student.

What are the program requirements and benefits?

Honors students must maintain a 3.0 in their Honors courses QPA and overall QPA as well as make continual progress in fulfilling Honors requirements. A student whose grades fall below 3.0 in either their Honors QPA or overall QPA is placed on Honors Probation. The student is given one semester to improve their QPA, should the QPA (overall or Honors) not be raised to a minimum of 3.0 by the following semester, the student may be given a second opportunity if there are extenuating circumstances. Dismissal from the Honors Program has no impact upon student enrollment at the University.

Graduating Honors students are formally recognized at Commencement. Upon graduation from the University, each Honors Program student completing their MU Degree Program with a minimum 3.00 total QPA will have featured on his/her transcript: "this student has successfully completed the University Honors Program with Honors". Each student with a minimum 3.50 total QPA in their Honors courses and a minimum 3.25 total QPA will have noted: "This student has completed the University Honors Program with Distinction."

Honors students are eligible for a number of fantastic travel opportunities, many of which are funded in part by Mansfield University and our Student Government Association. These include

- The PASSHE Summer Honors trip (previous programs include Russia, South Africa, Ecuador, Costa Rica, France, Scotland, Canada, Norway, Austria, Italy, and Egypt);
- The History Club Spring Break Trips (previous trips include England, Scotland, Germany, Spain, Greece, Morocco, France, Ireland, Portugal, and Italy.
- Honors Association and other SGA-sponsored weekend or day trips to Washington DC, Seneca Falls, New York City, Philadelphia, Niagara Falls, and Baltimore.
- Alternative Spring Break Service trips to Maryland and Cuba.
- NCHC, COPLAC, and PASSHE-sponsored conference and workshops.

Great Conversations Honors students have their own study area, which is available 24/7 and includes access to computers and printers.

Great Conversations Honors students have increased opportunities to attend and present their academic research at regional conferences. As part of their co-curricular development, they are given opportunities to engage in a variety of levels with Mansfield University's faculty and student research symposiums, lecture and speaker series, and great Conversations forums and workshops. All Great Conversations Honors student will have the opportunity to participate in the StrengthsQuest program, which is designed to focus students on their natural talents and interests in order to turn them into strengths and personal areas of excellence.

For any additional information regarding the Honors Program, contact the Honors Program Director: Dr. Adrianne McEvoy at (570) 662-4742 or amcevoy@mansfield.edu.

Mission: The purpose of education is to push students beyond where they were when they entered into the learning experience. The Great Conversations Honors Program offers learning experiences that will challenge our students in ways that are appropriate to their needs as individuals and as citizens of a global community.

Vision: Through their course-work and engagement in service, Honors students will develop strong foundations in intellectual empathy. This greater understanding of themselves, others, and the world around them will lead them to embrace and drive positive change.

Values: The hallmark traits of Honors students are their intellectual ability, open-minds, curiosity, and desire to drive positive change.

Goals and Program Objectives:

1. Through The Honors Classroom experiences, Mansfield University will provide Honors students meaningful opportunities to engage in rigorous, unique classroom explorations that are designed to promote their ability to be conversant in a variety of disciplinary approaches.
    a. Students will develop a critical understanding of basic concepts, theories, and methods of inquiry underlying multiple disciplines' bodies of knowledge.
    b. Students will investigate the interconnectedness among disparate fields of study, calling into question traditional boundaries

between disciplines.

2. Through The Honors Great Conversations experiences, which will happen inside and outside of the classroom, Mansfield University will provide Honors students meaningful opportunities to apply the knowledge and skills from their classroom experiences to contemporary issues and problems.
    a. Students will link knowledge and skills gained in class to their own life experiences as well as current world events.
    b. Students will experience the interconnectedness of disparate fields of study as they relate the fields' systems of inquiry and knowledge to current world events.
3. Through The Honors Leadership experiences, Mansfield University will provide Honors students opportunities to develop real-world leadership skills and dispositions that will foster development of their integrity, humility, empathy, and curiosity.
    a. Students will make clear connections between the knowledge and skills gained in academic settings and the character-building necessary for them to become a citizen of the world.
    b. Students will engage in rigorous, independent research that is appropriate to their field or interest.
    c. Students will connect meaningfully with others of disparate beliefs and backgrounds, sharing stories and experiences from within multiple cultural frameworks.
    d. Students will engage in activities and services that are designed to address issues of social justice and foster human interconnectedness.

Program Desired Learning Outcomes

Students who have completed all requirements for the Great Conversations Honors Program will have demonstrated a level of high proficiency in each of the following desired student learning outcomes:

1. **Written Communication** - Given a specific issue, question or problem, Honors students will be able to express themselves clearly and eloquently through written works. Their effective use of language will allow them to communicate their solutions to given prompts, appropriately referencing relevant information from primary and secondary sources to support their conclusions.
2. **Oral Communication** - Within a community or organization, Honors students will use effective verbal communication in order to facilitate discussion, mediate disagreements, achieve consensus and solve problems. Effective verbal communication includes the ability to listen and consider the views of others while working together to formulate solutions.
3. **Synthesis and Information Literacy** - When presented with an interdisciplinary issue or concern, Honors students will be able to analyze and synthesize a broad range of materials, including primary sources, in order to identify an effective solution. This process necessarily includes a familiarity with problem-solving techniques from a broad range of disciplines, and a thorough understanding of information technology by which relevant facts and ideas can be identified and utilized.
4. **Critical Thinking** - Honors students will demonstrate the ability to use logic and critical thinking when confronted with a problem or question. Effective critical thinking includes identification of relevant questions, an understanding of current views on the relevant topics, an authentic and sincere engagement with contrary views, and the creation of a synthesis that is the result of logic and analysis.
5. **Application and Engagement** - Honors students will apply their expertise and analyses of important issues to the larger community through engagement with real-world problem solving. Students will go beyond academic problem solving to identify analogous external situations that will benefit from their work, and then describe and execute an application of their studies to that situation.

Program Requirements: The Great Conversations Honors Program

- HON 4000 - HONORS CO-CURRICULAR EXPERIENCES
- HON 4500 - HONORS CAPSTONE

Take 12 credits from the following (at least 9 credits must be at the Upper Division level):

- HON 2500 - WHY BECOME EDUCATED?
- HON 3001 - HOW DO WE KNOW?
- HON 3002 - ARE WE FREE?

- HON 3003 - ARE WE PROGRESSING?
- HON 3004 - WHY DO SOCIETIES RISE & FALL?
- HON 3005 - WHAT IS FAIR?

*One Humanities General Education course and one Social and Behavioral Sciences General Education course are waived for students enrolled in The Great Conversations Honors Program.

Total Credit Hours: 12

[Archived Catalog]

Administration

Acting President

Dr. John Ulrich

500 North Hall; 570-662-4046

Provost and Vice President for Academic Affairs

Dr. John Ulrich

508 North Hall; 570-662-4804

Vice President for Administration & Finance

Ms. Amy Dicello

529 North Hall; 570-662-4881

Interim Associate Provost and Dean of the Faculty

Dr. Gretchen Sechrist

509 North Hall; 570-662-4877

Associate Dean of the Faculty

Dr. Joshua Battin

504 North Hall; 570-662-4877

Dean of Students

Mr. Scott Kane

319 Alumni Hall; 570-662-4342

Director of Institutional Research & Assessment Data

Dr. John Cosgrove

511 North Hall; 570-662-4586

Library and Information Resources

Mr. Scott DiMarco, Library Director

214 North Hall; 570-662-4689

Registrar

Ms. Lori Cass, Registrar

224 South Hall; 570-662-4873

Financial Aid

Ms. Pamela Kathcart, Director of Student Financial Aid

229 South Hall; 570-662-4823

Student Accounts

Ms. Julie Cimino, Director of Student Accounts

224 South Hall; 570-662-4388

Information Technology

Mr. Nicholas Andre, Chief Information Officer

002 Memorial Hall; 570-662-4831

Alumni Affairs & Advancement

Ms. Casey Wood, Director

G-9 Alumni; 570-662-4078

Career Center

Ms. Nichole Lefelhoc, Director

Ground Floor, Alumni; 570-662-4133

Controller's Office

Ms. Colleen Jackson, Assistant Controller

525B North Hall; 570-662-4898

Office of Human Resources

Ms. Samantha Holler, Employee Relations and Compensation

112 Alumni; 570-662-4891

[Archived Catalog]

Admissions

Requirements For Admission

To be considered for admission to Mansfield University, students must graduate from an approved secondary school or have obtained equivalent preparation, for example the GED, as determined by the Credentials Evaluation Division of the Pennsylvania Department of Education. Admission to the University is granted to those applicants who successfully complete college preparatory secondary school work (grades 9-12). Credentials should also include a class rank in the upper three-fifths of the graduating class and a satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Testing Program exam (ACT) (this SAT/ACT requirement is optional for 2021/2022. See below for more details). The SAT or ACT scores are not required if the applicant is 21 years or older or has been out of high school for two or more years.

Recommended Preparatory Course Work

English	4 Credits
History or Social Studies	4 Credits
Laboratory Science (Bio, Chem)	2-3 Credits
Algebra, Plane Geometry, Algebra 2	3-4 Credits
Foreign Language	2-4 Credits
Electives (academic)	6 Credits
Total	21-25 Credits

Test Optional Fall 2021

Mansfield University is now test-optional for applicants seeking admission for fall 2021. Students will be **guaranteed admission** to Mansfield University if they achieve a high school GPA of 3.2 or greater at the end of their junior year. Applications that do not meet the guaranteed admissions criteria above will be evaluated on an individual basis. The admissions office may request additional information to support the application.

Students who completed a standardized test (such as the SAT or ACT) and would like to submit those scores for consideration may still do so. Scores submitted to the admissions office will be used as part of the application review process.

Please note:

Certain academic programs require individual review of applications and are not included in the guaranteed admission process. These select programs include:

• AAS Radiologic Technology

• BS Biology

• BS Chemistry

• BS Geosciences

• BS Mathematics

• BS Nutrition

• BS Respiratory Care

• BSN Nursing

In addition, although we are test optional for admission, standardized test scores may be required when applying for certain scholarships.

Application Procedures

For admission to undergraduate programs, students are encouraged to complete the on-line application at admissions.mansfield.edu. Paper applications are also available upon request. The Admissions Office begins accepting applications after July 1 following the student's junior year of high school. A complete application should include a $25 non-refundable application fee as well as the following credentials:

1. An official high school transcript (an official copy must bear the school seal and the signature of an official).
2. An official copy of the Scholastic Aptitude Test (SAT) or American College Testing Program exam (ACT) results. Test scores reported on an official high school transcript are considered acceptable.

Deadlines For Application

Mansfield University has a rolling admissions policy. We encourage students to apply early. All applications are considered based upon academic credentials and space availability for the entry date requested. Once all credentials and supporting documents are received, the Admissions Committee will provide notification in a timely fashion. Scholarships and space in specific academic programs are also awarded on a rolling basis; therefore, it can be advantageous to apply early in the academic year.

Deadlines for Select Programs

Applicants for Mansfield University's Health Science Programs including Nursing, Radiologic Technology, and Respiratory Therapy, must apply prior to December 1. These programs have limited space and reach capacity early in the admission process.

When Offered Admission

Applicants offered admission while still enrolled in high school/college are expected to maintain or improve upon the academic achievement presented when the credentials are initially reviewed. Failure to maintain achievement, as reflected on final official transcripts (including class rank, grade point average, and course/credits scheduled), may result in revocation of the offer of admission.

Students offered admission to Mansfield University are required to pay a $125, non-refundable, enrollment deposit by May 1 prior to the fall semester of the year the student plans to enroll. Students accepted into the Nursing program are stongly encouraged to pay the $125 enrollment deposit by March 1 due to limited space in the program.

When a student has been granted admission and fail to enroll, the offer of acceptance and the $125 enrollment deposit (if paid) are valid for one year from the initial entry date, provided the academic credentials have not decreased in the meantime and no significant changes in admission policy have been made. After one year, you must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

The university reserves the right to establish or change admission standards as it deems necessary.

Admission Categories

Students meeting the academic qualifications as outlined above, you will be offered admission to the University as a regular admit for the fall semester. Other admissions categories are described below.

Early Decision

Consideration for an early admission decision for fall entrance is given to candidates who meet prescribed academic requirements as demonstrated by their high school grades and junior year SAT/ACT scores. Applicants who qualify for early decision are notified when we receive the completed application, application fee, official high school transcript, and junior year SAT/ACT scores.

Pathways to Enrollment

Mansfield University offers several pathways to enrollment for students interested in two-year (associate's) or four-year (bachelor's) program options (or both).

1. Students admissible to the University, but who do not meet the academic criteria for a regular admit or do not meet the preferred academic criteria for the major of their choice, will be admitted into the University's Academic Exploration Program (AEP). We will work closely with the student to help transition to the major of choice (if eligibility is obtained) as well as provide the following resources: Academic Advising Center, Writing Center, Focus program, counseling program, study skills assistance, and free tutoring services.
2. Students showing potential for success in college, but who do not meet the regular requirements for fall acceptance, may be considered for one of our developmental programs. This includes students who may not have completed the recommended high school course sequence or may require preparatory course work to polish their skills. High school credentials may rank below the University's minimum requirements but reveal potential for future success in other ways.

Students selected for participation in a developmental program must complete preparatory course work which is based upon diagnostic-placement results and receive tutoring and advising assistance. Upon successful completion of the program, with a minimum of 2.0 GPA, students continue in a matriculated status. There are limited spaces for enrollment in developmental programs. Students admitted into a developmental program, such as an Associate of Arts in Liberal Studies major, are encouraged to seek a change of major into another associate's or bachelor's degree program once they have completed 12 academic credits above and beyond any required developmental courses (MA 0090, ENG 0090) and have a minimum 2.75 GPA, or have completed 24 credits with a minimum of 2.00 GPA.

Housing and Dining Requirement
Benefits of Living On-Campus

Mansfield University believes that students who stay in our residence halls will benefit from the residential living experience as an integral element of student engagement and educational success. Living on campus is an important part of the college experience. Studies have shown that on-campus residents are more likely to succeed in academia and benefit from the social opportunities that are offered.

Thus, all first- and second-year undergraduate students are required to live in residence halls and participate in a University-provided dining

plan, unless an exemption is granted. This policy applies to traditional first- and second-year students and international students. It also applies to transfer students who have not completed two years of on-campus residency at another university (post high school) and readmitted students as well. Students fulfill the requirement after spending two years living and dining on campus (post high school).

NOTE: Academic credit hours and/or class status do not exempt one from the policy.

Those students who qualify and wish to be exempt from the Housing & Dining Requirement will need to complete an Exemption Form. This request must be completed on the student's MyHousing account, by selecting the Exception Form application under the "Applications" tab. The student will be notified in writing, via Mansfield University e-mail, regarding the status of the request, as well as if additional documentation is needed.

All documentation can be sent to Student Living, 319-321 Alumni Hall, Mansfield, PA, 16933. If you should have any questions, please contact Student Living by emailing housing@mansfield.edu or calling 570-662-4934/570-662-4952.

Additional Benefits of Living On-Campus:

Academic Success: Research has shown that students living on campus report being more satisfied with their college experience, earn better grades, and are more likely to graduate than their commuting peers.
Safety and Security: The University employs an on-campus police force with officers working 24 hours a day, all year long. All residences are equipped with modern fire safety alarms/sprinklers in student rooms and all entrances feature electronic card access integrated with camera observation.
Convenience: Be close to everything! It's a a short walk (or Mountie Express ride) from classes, dining facilities, the library, the fitness center, sporting events, and many other activities.
All-Inclusive Features: The housing costs include laundry, internet access, microfridges and common area cleaning (hallways, bathrooms). All suite options are carpeted, include private bathrooms, and are air conditioned with individual thermostatic controls. Maintenance staff and contractors also respond to problems experienced in a timely manner, allowing you to focus on academic priorities.
Housing Options: On-campus students have the opportunity to request a variety of suite-style living arrangements to best accommodate their housing needs.
Independence: Learning to balance freedom and responsibility in a protected environment like a residence hall makes the post-college transition easier. Making key decisions for oneself is an important step in the maturing process.
Support: The selected student and trained professional staff in the residence halls are on hand to answer questions and help students succeed at MU.
Connection: There are so many ways to get involved and stay connected. From clubs and organizations to intramurals and club sports to student leadership positions to service/volunteer opportunities, there is something for everyone!
FUN!: An endless array of social activities with new friends, throughout the residence halls, as all over campus, make it easy.

Early Start Program (ESP)

Mansfield's Early Start Program (ESP) initiative is designed for qualified high school students who are seeking to enroll in Mansfield University courses and earn college credits while still in high school. The University offers a range of face-to-face, online, and hybrid courses that may appeal to high school students seeking to get an early start on college. An ESP agreement must be in place between Mansfield University and the partner school before the school's students can participate in this program. All courses available through this program are offered at a discounted tuition rate. Students participating in this program are enrolled at Mansfield University as non-degree students. For more information about the Early Start Program, including access to the ESP application, please visit the Early Start Program web page at https://www.mansfield.edu/esp/.

College Bound Program

Qualified high school students whose districts do not have Early Start Program agreements with Mansfield Unversity may take college courses at Mansfield through our College Bound Program. Interested students must complete the Non-Degree Students application for admission available online at http://admissions.mansfield.edu/apply.

Early Studies Admission

Early Studies Admission is open to high school seniors who meed our admission requirements are are interested in attending full-time in lieu of attending high school during their senior year. Upon final approval and acceptance, a student is considered a first-time student at Mansfield University. All policies and procedures applicable to university first-time students apply. Should a student select this option, they are responsible for obtaining permission from their high school administration or school board to attend Mansfield University in lieu of the senior year of high school studies.

To be considered for Early Studies Admission, students must file an application, and pay the $25 application fee, submit official high school transcripts, standardized test scores, and provide the following documentation from either the high school counselor or principal:

1. A letter stating the student has met their high school graduation requirements by the date they begin enrollment at Mansfield University, or
2. A letter stating that the student will be taking coursework at Mansfield University to meet high school graduation requirements. If this is the case, the letter will need to state exactly what courses the high school is requiring the student to take at MU to complete your graduation requirements.

The need to take any developmental course work in the basic skill areas of reading, writing, or mathematics will result in disapproval of the application.

Early Studies students are not eligible to receive financial aid because you must have already earned a high school diploma or general equivalency diploma (GED) to be eligible.

Non-Degree Students

Anyone interested in taking courses as a non-degree student is encouraged to apply online at least two weeks prior to the start of the term in which study will begin.

High school graduates or those who hold a General Equivalency Diploma (GED) certificate may choose this alternative route to take course work through the University without formally applying and without taking the SAT or ACT tests.

Approval to take course work as a non-degree student does not imply or guarantee admission to the University or acceptance in a degree program, but it does offer flexible educational experiences for nontraditional students. This program enables individuals to enrich themselves, improve a particular skill for current or future employment, try college courses to see if they want to pursue a degree, or transfer credit to another institution.

Students may earn up to 30 credit hours, exclusive of developmental (0090) course work, and then apply these credits toward a degree program at Mansfield University if admitted. A maximum of 11 credit hours may be scheduled by non-degree students during each academic semester of attendance.

Students may elect to audit courses at Mansfield University if spaces are available in appropriate courses. Credit is not awarded when a course is audited.

Questions about the non-degree process or course/curriculum requirements can be addressed to the Registrar's office at (570) 662-4202.

Non-degree students are required to meet the University's minimum academic requirements. Students who fail to meet those requirements at the end of a semester may be administratively disqualified and denied future enrollment at the discretion of the Provost or Dean.

Any student who is not a U.S. citizen must provide a current, valid visa and a TOEFL score (70 electronic or 500 paper) or demonstrate English proficiency. For additional information contact the Registrar office at (570) 662-4202.

Prior Learning Credit

Students interested in Prior Learning Credit may contact the Office of Student Registration and Financial Services for more information or visiting www.learningcounts.org/

Senior Citizens Program

Mansfield University offers tuition waivers to senior citizens who are receiving Social Security retirement benefits and are at least 62 years of age (or minimum age as defined by the federal Social Security Administration). Senior citizens may register for courses offered in the fall, spring, and summer sessions. Classes may be audited or taken for credit. Interested students must complete a Senior Citizen Tuition Waiver form available online at Mansfield University Tuition and Fees or at the Student Registration and Financial Services Office. Along with the waiver form, you must submit proof of benefits (copy of monthly check or statement from the Social Security Office). Since only tuition is waived, students are charged the miscellaneous fees associated with the number of credits requested. For more information, contact the Registrar's Office at (570) 662-4202.

Visiting Student Program

The Visiting Student Program allows students enrolled full-time at Pennsylvania State System of Higher Education universities to enroll at sister institutions for a limited period. A student wishing to enroll at Mansfield University as a visiting student must receive permission from the home university. To qualify, a student must have satisfactorily completed at least 27 credits at the home university and be in good academic standing. A student may take a maximum of 18 credits in a single semester and up to 12 credits of summer work as a visiting student.

Applications for visiting student status are submitted to Mansfield University's Registrar's Office for approval. The completed visiting student application (available from the home institution) provides verification of good academic standing. No further credentials are required for admission into the visiting student program at Mansfield University.

Each visiting student should request that a Mansfield University transcript be forwarded to the home campus after courses have been completed. Mansfield University assigns credits and grades in accordance with its own policies and procedures.

Special Art/Music Program Requirements

Applicants for an Art degree must satisfy general college admission requirements. While not required to submit an art portfolio for admission in most cases, students may be asked to do so, and may need to present their portfolio to the Art faculty for the purpose of course placement. For further information contact the Art Program (570) 662-4500.

Applicants for a Music degree, having satisfied the requirements for general college admission, must audition for acceptance into Music programs. Acceptance is based upon a demonstration of both musical aptitude and accomplishment. For further information, contact the Music Department (570) 662-4710.

Transfer Admission

Students who have attempted college coursework elsewhere after high school graduation are considered Transfer Students. Students are normally eligible for transfer admission if they have attained an overall 2.0 cumulative grade point average (GPA) at accredited post-secondary institutions. Exceptions are as follows: Radiologic Technology and Respiratory Therapy, 2.5 GPA; Social Work, 2.5 GPA; Nutrition & Dietetics, 2.7 GPA; Nursing, 2.7 GPA; Education, 3.0 GPA. Credit is awarded for college-level courses completed in accredited colleges/universities. "Accredited" is defined to include any of the seven regional accrediting bodies only, e.g., The Middle States Commission on Higher Education for this region. Credits presented from non-accredited colleges or universities are not necessarily eligible for transfer consideration. Options for evaluation of prior learning from a non-accredited institution should be discussed with the Registrar's Office.

Please note that transfer admission into the traditional BSN program is offered on a highly competitive and space-available basis.

All transfer applicants are encouraged to apply online at admissions.mansfield.edu. The $25 application fee is waived for students who have earned an associate's degree prior to attending Mansfield University. Otherwise, transfer applicants should submit the $25 application fee. Transfer students must submit the application along with official transcript(s) from all post-secondary institutions previously attended to the Admissions Office. Mansfield University has a rolling admissions policy. All interested applicants are encouraged to apply early. Applications will be considered based upon academic credentials and space availability for the entry date requested.

If AP or IB credits were completed in high school, applicants must have official score reports/transcripts submitted to the Admissions Office for consideration of credits.

Students transferring from a non-accredited institution may opt to gain alternate credits through completion of CLEP exams. For more information contact the Registrar's Office.

Applicants who have earned fewer than 30 credits in college-level work are required to submit an official high school transcript. If SATs/ACTs were completed, applicants are encouraged to submit an official score report, but they are not required with an acceptable transfer GPA.

There is no minimum number of credits required to transfer to Mansfield University.

Students approved for transfer to Mansfield University but who are still enrolled at another institution are granted admission on a provisional basis until all records from the previous institution have been reviewed and finalized.

Mansfield University participates in the Pennsylvania Transfer and Articulation Center. Students may access this site online and learn how their credits at Pennsylvania Community Colledges and other institutions transfer to Mansfield University. www.patrac.org/Student/tabid/194/Default.aspx

Health Science programs require completion of algebra, biology, and chemistry with a grade of C or better at the college level. (Can be considered at the high school level, with grade of B or better.) See individual program pages for specific admission requirements.

Transfer Credit Evaluation

Following acceptance into the University, an evaluation of courses taken at previous institutions is made in consultation with the appropriate academic departments.

Credits are evaluated on a course-by-course basis. Exceptions to this policy are specified in the State System of Higher Education Academic Passport for students transferring from Pennsylvania community colleges and transfer agreements between Mansfield University and many two-year institutions.

Actual grades and the grade point average (GPA) do not transfer from any previous institution; only the credits earned transfer. Although completion of remedial courses is recognized, credit does not transfer.

The number of credit hours that transfer from another institution cannot be more than the number awarded for completion of course work at that college/university. For example, Introductory Biology might carry three credits at another institution and three credits would be given in transfer for such course even though the equivalent biology course at Mansfield is four credits. Furthermore, if a U.S. History course is four credits at another institution, four credits would be given in transfer even though U.S. History at Mansfield University is a three-credit course.

Because of the time necessary to develop skills required by the music curriculum, music students are advised to transfer as early as possible. Otherwise, it becomes increasingly difficult to complete the curriculum within the normal four-year span of time.

Credits in the music area must be validated by examination before they are accepted for transfer. This is to insure that the student is capable of successfully completing the remaining required courses.

Transfer students seeking to appeal the equivalency and/or application of their transfer credits to a degree program may do so through the Registrar's Office at registrar@mansfield.edu.

Maximum Credits Accepted in Transfer

There is no limit on credits accepted from regionally accredited four-year colleges and universities. Mansfield University will accept in transfer a maximum of 67 credits of coursework from two-year junior or community colleges. Students must have earned a minimum 2.0 GPA from prior institutions to be eligible for transfer of courses with a grade of D. Transfer credit will be applied as appropriate to satisfy general education courses, courses required by the major, and elective courses. To earn a Mansfield University degree, students must complete 50% of their major courses at Mansfield University and a minimum of 25% of the total degree credit requirements at Mansfield University. To complete a minor, 50% of minor requirements must be completed at Mansfield University.

International students who wish to transfer credits to Mansfield University are required to have all transcripts evaluated by a service such as World Academic Research Center. http://www.foreigndegrees.com/ or World Education Services http://www.wes.org/. Credit cannot be awarded unless an evaluation service is used.

Readmission of Former Students

Any degree-seeking student who has not been in attendance during the previous semester must apply for readmission to the University through admissions.mansfield.edu (choose the "Apply now" link and select the Returning Student online application).

There is no application fee.

Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission. Before students are readmitted, they must clear all outstanding University-related debts.

Academic Amnesty

The Academic Amnesty Policy allows certain students who have been separated from the University to return and not be unduly disadvantaged by their prior academic records. A student may be granted Academic Amnesty only once. Once granted, its conditions cannot be altered. Conditions for Academic Amnesty are as follows:

1. A student must be separated from the University for at least five years before being eligible for Academic Amnesty.
2. All grades for courses taken prior to the point at which Academic Amnesty is granted will remain on the academic transcript and academic history, but the cumulative GPA will be represented as "0.00."
3. Only those courses that reflect a grade of C or better and were earned at Mansfield University prior to readmission will count as credit hours earned toward graduation. Courses with grades of C- or less will not count toward graduation.
4. A student will be placed on probation for the initial returning semester.
5. A student must achieve a minimum grade point average of 2.00 by the end of the second semester. Failure to achieve the 2.00 minimum GPA will result in permanent dismissal from Mansfield University.

Procedure:

1. The student is evaluated for admission through the normal processing of the readmission application in the Registrar's Office.
2. The student is referred to an advisor for review of academic standing.
3. The student submits a petition for Academic Amnesty to the Petition Committee.

*Disclaimer: Academic Amnesty by Mansfield University does not guarantee that other institutions or employers will accept the standards of said policy. Many graduate and professional degree programs disregard undergraduate institutional policies, and compute the undergraduate GPA utilizing all hours attempted when determining admission. Mansfield University makes no guarantees as to how employers, certifying agencies, or other higher education institutions, including graduate school, professional schools and their common application systems (CAS), or other offices interpret the transcript of a student utilizing the Academic Amnesty policy. It is the student's responsibility to determine the implications of the Academic Amnesty GPA for each institution's admissions process.

Principles Of Enrollment Management

Mansfield University endorses enrollment management principles and reserves the right to limit the total number of first-time, transfer, and readmission students within specific degree programs, as well as the total entering class at date of entry. Official entry dates occur in the summer, fall, and spring each academic year. A student may be offered admission to a waiting list based upon these principles. Assignment of confirmed spaces is made after a comprehensive review of academic credentials.

Summer School

Summer School at Mansfield University is designed to meet the needs of a variety of students. A wide range of educational opportunities include credit courses for undergraduates, non-degree, and graduate students, as well as workshops, ACT 48, travel abroad credit and non-

credit courses, and seminars in the liberal arts, teacher education, and other fields of study. Summer courses include an array of online courses as well as traditional classroom experiences. Those who are interested can visit the website at summer.mansfield.edu to view course offerings.

Summer sessions are open to any student who has earned a high school diploma, a GED certificate, or as part of our dual enrollment program and College Bound programs for high school students.

Continuing university students, including new students, who wish to accelerate their programs of study will find both general education and other courses in a variety of academic disciplines. Students from other colleges and universities may take courses through Mansfield University. They are advised to first ensure that their home institutions will accept credits earned.

Teachers and graduate students will find courses in the summer program to serve a variety of needs. They may enroll to complete requirements for permanent certification, take refresher courses in their field of specialization, earn certification in a new field, or take academic coursework to meet ACT 48 requirements.

The policy regarding the number of credits for which a student may register during the summer sessions at Mansfield University is as follows: Students may not take more than six credits during either session, or more than 12 credits across the summer without the approval of the Academic Deans.

Housing is available on campus for summer students.

Distance Education: Online and Interactive Video

Mansfield University offers opportunities for learning in a variety of settings and via various methodologies. Recognizing the unique needs of learning, MU offers online undergraduate and graduate courses and programs, in synchronous and asynchronous delivery formats. For further information about distance education visit https://online.mansfield.edu/ Online Programs at Mansfield University's website for critical information, resources available, and directions related to responsibilities in taking a course online at Mansfield University.

A wide range of resources and services are available to support teaching, learning, and research for on-campus students and for distance education. Detailed information about the library's collections and services is available through the home page at http://lib.mansfield.edu/ and more specifically http://mansfield.libguides.com/distance for our online population. Another important contact point is the Information Desk (Reference) *Ask a Librarian* or libref@mansfield.edu. **Distance Education** students will be mailed their library access bar code or may find this code at http://lib.mansfield.edu/faq/library-id-number-lookup/.

Prospective Students

Due to federal regulation, all universities offering distance education in states other than their own must receive authorization from those states to do so. If you are considering an online academic program that will lead to a professional license in your state, it is highly recommended that you seek guidance from the appropriate licensing agency in your home state before beginning a program at Mansfield University.

Online @ Mansfield University Complaint Process

Federal legislation (Higher Education Opportunity Act of 2008) requires colleges and universities to provide students with information necessary to make informed decisions concerning their educational experiences. One important item relates to student complaints. Mansfield University strives to serve its students fairly and equitably. If, however, a student has a complaint, we have the following process in place to assist the student in resolving the complaint. Mansfield University encourages all students regardless of their residency, to FIRST initiate an attempt for resolution by following Mansfield University's Academic Standards: Due Process/Complaints. If an issue cannot be resolved by this internal process, a complaint may be filed with the Pennsylvania State System of Higher Education. Students located outside Pennsylvania may also choose to file a complaint with the appropriate agency in your state of residence. A list of the appropriate agencies is maintained by the State Higher Education Executive Officers (SHEEO).

If you are unable to resolve an issue internally, you may contact the appropriate state agency. We ask that you attempt to resolve complaints with the University internally before involving an outside agency.

Hybrid Courses

A hybrid course is a blend of face-to-face instruction with online learning. In a hybrid course, a significant part of the course learning is online, and the amount of classroom time is reduced. A course that is largely classroom based may include a combination of online or web-based components and requirements in addition to the classroom experience.

Non-Credit Programs

A complete schedule of non-credit courses is available at www2.mansfield.edu/non-credit-courses/.

Municipal Police Training Academy

Under PA ACT 120, an approved 919 clock hour training program is required to become a municipal police officer in the Commonwealth of Pennsylvania. Mansfield University is an approved school by the Municipal Police Officers' Education and Training Commission (MPOETC). Our academy provides each cadet with the professional skills and knowledge necessary to become successful law enforcement officers. Our full-time academy meets 40 hours each week (i.e., Monday through Friday 8:00am-4:00pm), while our part-time program meets during the evenings and weekends for 20 hours each week (e.g., Monday, Wednesday, Thursday 6:00-10:00pm and Saturday 8:00am-4:00pm). Graduates of the police academy may earn up to 19 hours of college credit following approval of an application. For more information go to http://www.mansfield.edu/police-academy/

Partial Waiver of Police Academy for Former Federal Law Enforcement and Military Police Officers

PA Act 165 of 2012 allows former Federal Law Enforcement Officers and former Military Police Officers to obtain a partial waiver of the Act 120 Basic Training. The Municipal Police Officers' Education and Training Commission has approved a 295 clock hour course, as well as optional courses if needed, to comply with Act 165. Interested applicants can apply to MPOETC for an equivalency review to receive approval to attend the partial waiver academy. For more information go to http://www.psp.pa.gov/MPOETC/training/Pages/Federal-Law-Enforcement-and-Military-Police-Officers.aspx

International Studies

Many opportunities are available for international students at Mansfield University. International students accepted to Mansfield University are automatically considered for scholarships based on their academic achievement.

International Requirements for Admission

Applicants are required to send official certified copies of all academic records by postal mail to the Office of International Admissions and Student Services. Academic records should be sent directly from the academic institution attended and contained in a sealed envelope.

Transfer applicants should also request that original language transcripts, accompanied by certified English translations, be sent directly to the admission office by an official from each college or university previously attended. These records should also be sent to a certified credential evaluation service (www.WES.org or www.AACRAO.org) with a request that the evaluation results be mailed directly to the Office of Admissions.

Applicants from countries where English is not the official language are required to submit official results of the Test of English as a Foreign Language (TOEFL) Examination, the International Language Testing System (IELTS) exam, or the Scholastic Aptitude Test (SAT). Applicants from countries where English is the official language must submit the Scholastic Aptitude Test (SAT). A TOEFL score of 65 on the internet-based exam, 525 on the printed exam, or 5.5 on the IELTS exam indicate sufficient English proficiency. English as a Second Language (ESL) classes are available for applicants who are not fully proficient in English.

International Admissions Process

Applicants must submit the following documentation as part of the admissions process:

1. General Application (online)
2. $25.00 Application Fee
3. Official Transcripts
4. Official results of either the TOEFL, IELTS, or SAT
5. Financial Aid Certification Form (online)
6. W-8BEN Form (online)
7. Financial Documentation
8. A copy of current passport which must be valid for at least six months after entry into the United States on a student visa.
9. Two letters of Recommendation.
10. Applicants are encouraged to submit their application and all required documentation at least three (3) months prior to their desired semester start dates. This allows adequate time for processing the application and academic documents. All applications/forms are available online at http://admissions.mansfield.edu/international-students/index.cfm.

International Transfer Credit

International students who wish to transfer credit to Mansfield University are required to have all transcripts evaluated by a service such as **World Academic Research Center** http://www.foreigndegrees.com/ or **World Education Services** http://www.wes.org/application/. Credit cannot be awarded unless an evaluation service is used.

[Archived Catalog]

Colleges & Departments

Mansfield University

Academic Affairs

Hide programs for this department.

Undergraduate Other Programs

- GENERAL EDUCATION 2010 catalog or earlier
- GENERAL EDUCATION 2011 catalog or later
- The Great Conversations Honors Program

Art, Communication, English, and World Languages

Hide programs for this department.

Undergraduate Degree Programs

- Art History, Bachelor of Arts
- Communication, Electronic Media Concentration
- Communication, Organizational Communication Concentration
- Communication, Public Relations Concentration
- Communication, Sports Information Concentration
- English, Bachelor of Arts
- Graphic Design, Bachelor of Science
- World Languages and Cultures, Bachelor of Arts

Undergraduate Minor

- Art History Minor
- Creative Writing Minor
- Electronic Media Minor
- English Literature Minor
- Ethnic Studies: African-American Studies Minor
- Graphic Design Minor
- Organizational Communication Minor
- Professional Writing Minor
- Public Relations Minor
- Spanish Minor

- Studio Art Minor
- Women's Studies Minor

Behavioral and Social Sciences

Hide programs for this department.

Undergraduate Degree Programs

- Criminal Justice Administration, Associate of Science
- Criminal Justice Administration, Bachelor of Science
- Psychology, Bachelor of Science
- Psychology, Human Resource Management Concentration
- Social Work, Bachelor of Social Work
- Substance Use and Behavior Disorder Counseling, Associate of Science

Undergraduate Minor

- Child Welfare Minor
- Criminal Justice Administration Minor
- Psychology Minor

Business Administration, Mathematics, Computer Science, and Information Systems

Hide programs for this department.

Undergraduate Degree Programs

- Business Administration, Accounting Concentration
- Business Administration, Associate of Science
- Business Administration, Bachelor of Science
- Business Administration, Management Concentration
- Business Administration, Marketing Concentration
- Computer & Information Science, Bachelor of Science
- Computer Information Systems, Associate of Science

Undergraduate Minor

- Accounting Minor
- Business Administration Minor
- Information Systems Minor
- Management Minor
- Marketing Minor

History, Education, Philosophy, Political Science, and Sociology

Hide programs for this department.

Undergraduate Degree Programs

- Early Childhood and Elementary Education, Bachelor of Science in Education
- History, Bachelor of Arts
- Liberal Studies, Bachelor of Arts

- Mathematics, Bachelor of Science
- Political Science, Bachelor of Arts
- Professional Studies in Secondary Education, Bachelor of Science in Education
- Sociology, Bachelor of Arts

Undergraduate Minor

- Education Minor
- History Minor
- Philosophy Minor
- Political Science Minor
- Pre-Law Minor
- Social Welfare Minor
- Sociology Minor

Undergraduate Other Programs

- Post-Baccalaureate Teacher Certifications

Music

Hide programs for this department.

Undergraduate Degree Programs

- Music Education, Bachelor of Music
- Music, Bachelor of Arts
- Music: Elective Studies in Business, Bachelor of Music
- Music: Emphasis in Music Technology, Bachelor of Music
- Music: Music Performance, Bachelor of Music

Undergraduate Minor

- Music Minor
- Music Technology Minor

Natural Sciences

Hide programs for this department.

Undergraduate Degree Programs

- Biology, Bachelor of Science
- Biology, Cell and Molecular Concentration
- Biology, Environmental Biology Concentration
- Biology, Fisheries Concentration
- Biology, Medical Laboratory Sciences Concentration
- Chemical Technology, Associate of Science
- Chemistry, Bachelor of Science
- Chemistry, Biochemistry Concentration
- Chemistry, Forensic Science Concentration
- Chemistry, Nanotechnology Concentration
- Chemistry, Physics Concentration

- Chemistry, Plant Extraction Chemistry Concentration
- Environmental Technology, Associate of Applied Science
- Geosciences, Bachelor of Science
- Geosciences, Environmental Science Concentration
- Geosciences, Geoarchaeology Concentration
- Geosciences, Geology Concentration
- Geosciences, Watershed Management Concentration
- Safety Management, Bachelor of Science

Undergraduate Minor

- Biology Minor
- Chemistry Minor
- Forensic Science Minor
- Geology Minor
- Watershed Management Minor

Undergraduate Other Programs

- Geographic Information System, Certificate
- Occupational Safety, Certificate
- Pre-Professional Medical Sciences, Certificate, Post-Baccalaureate

Nursing and Allied Health Sciences

Hide programs for this department.

Undergraduate Degree Programs

- Community Health Education, Bachelor of Science
- Health Education, Associate of Applied Science
- Nutrition, Bachelor of Science
- Radiologic Technology, Associate of Applied Science
- Respiratory Care, Bachelor of Science

Undergraduate Minor

- Community Health Education Minor
- Nutrition Minor

Student Support Services

Hide programs for this department.

Undergraduate Degree Programs

- Liberal Studies, Associate of Arts

Academic and Human Development

Art

Biology

Business Administration

Chemistry and Physics

Communication

Criminal Justice Administration

Education & Special Education

English and World Languages

Geosciences

Health Sciences

Hide programs for this department.

Undergraduate Degree Programs

- Nursing, Bachelor of Science in Nursing

History and Political Science

History, Philosophy, Political Science and Sociology

Mathematics and Computer Information Science

Philosophy

Psychology

Social Work

[Archived Catalog]

Courses

Contract All Courses |

- ### AAS 1100 - INTRODUCTION TO AFRICAN AMERICAN STUDIES

  This introductory course provides a broad-based overview of African American life and culture. Through a variety of cross-disciplinary perspectives, including history, literature, philosophy, politics, socio-economics, and the arts, students gain insights into the black experience as it relates to their individual lives, the country, and the larger world.

  Credits: 3 cr.

- ### ACC 1110 - PRINCIPLES OF ACCOUNTING I

  Introduces fundamentals of accounting, which is “the language of business”. It includes the accounting cycle, balance sheet and income statement preparation, and internal controls. Other topics include accounting for cash, receivables, merchandise inventory, plant assets and intangibles, and ethics.

  Credits: 3 cr.

- ### ACC 1111 - PRINCIPLES OF ACCOUNTING II

  A continuation of ACC-1110, includes current and long-term liabilities, payroll, corporate accounting, cash flows, and financial statement analysis. Introduces managerial accounting concepts, including manufacturing accounting and budgets, and costing tools. Covers concepts of ethical behavior in accounting practice.

  Prerequisites & Notes: ACC 1110.

  Credits: 3 cr.

- ## ACC 3310 - INTERMEDIATE ACCOUNTING I

An intensive study of accounting principles and problems of fairly presenting a financial position; measurement of assets, liabilities; preparation of financial statements.

Prerequisites & Notes: ACC 1111.

Credits: 3 cr.

- ## ACC 3311 - INTERMEDIATE ACCOUNTING II

Further study of generally accepted accounting principles; corporate earnings per share, tax allocation, pensions, leases, inflation.

Prerequisites & Notes: Prerequisite: ACC 1111.

Credits: 3 cr.

- ## ACC 3314 - AUTOMATED ACCOUNTING SYSTEMS

An introduction to the development and implementation of an accounting information system. A real commercial system will be analyzed and then used by students to process accounting case studies.

Prerequisites & Notes: ACC 1111 and CIS 2203.

Credits: 3 cr.

- ## ACC 3320 - ADVANCED ACCOUNTING I

A critical study of financial measurement and reporting for business partnerships, combinations, consolidated financial statements, business components, foreign currency transactions, derivatives, translation of foreign statement, and the international accounting environment. Other topics vary.

Prerequisites & Notes: Prerequisite: ACC 3311

Credits: 3 cr.

- ## ACC 3350 - COST ACCOUNTING I

Studies management uses of cost information. Topics include job order costing, activity-based costing and management, budgeting, and inventory costing. Examines how costs behave for decision making. Other topics vary.

Prerequisites & Notes: Prerequisite: ACC 1111.

Credits: 3 cr.

- **ACC 3370 - FRAUD EXAMINATION**

This course is designed to provide managers, investigators and forensic accountants with an appreciation for the extent and nature of fraudulent activity. Common methods to detect and prevent fraud in business are studied. Fraudulent financial statements and the misappropriation of assets are considered.

Prerequisites & Notes: Prerequisite: ACC 1111.

Credits: 3 cr.

- **ACC 3380 - TOPICAL SEMINAR**

The study of selected topics in accounting and current issues in financial reporting such as: non-profit accounting, governmental accounting, international accounting, income tax legislation.

Prerequisites & Notes: Prerequisite: ACC 1111.

Credits: 3 cr.

- **ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING**

Explores the application of the personal income tax law to the taxpayer as an individual and a business proprietor. Topics include tax determination, gross income, deductions, business and employee expenses, tax credits, modified accelerated cost recovery, capital asset transactions.

Prerequisites & Notes: Prerequisites: 45 credit hours earned.

Credits: 3 cr.

- **ACC 3450 - ACCOUNTING PRACTICUM**

Supervised and evaluated participation in the regular accounting related activities of a business organization, government agency or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to document work experience and have positive performance evaluation from immediate supervisor.

Prerequisites & Notes: 30 earned credits.

Credits: 1-5

- **ACC 4400 - AUDITING**

A study of auditing theory and standards, professional ethics and auditor's legal liability, with in-depth analysis of the audit process including risk assessment, the theory and auditing of internal control systems, audit evidence, working papers, and the preparation of audit reports.

Prerequisites & Notes: Prerequisite: ACC 3310 and ACC 3311

Credits: 3 cr.

ACC 4450 - ACCOUNTING INTERNSHIP

Supervised and evaluated participation in the regular activities of a business, government agency, or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the field experience and have a positive performance evaluation by immediate supervisor. May be taken for 6-15 credits. All credits are free electives.

Prerequisites & Notes: 60 earned credits.

Credits: 1-12

ACC 4497 - INDEPENDENT STUDY 1

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

AHD 0090 - CRITICAL READING

Designed to develop the skills of students who need to strengthen their reading and study skills to the level necessary to handle the demands of college level work. Emphasis will be placed on comprehension skills as summarizing, outlining, critical questioning, using study aids in texts, text marking, annotating, and creating individualized study tools; study skills such as goal setting, organizational management, time management, and vocabulary building, will also be included.

Credits: 3 cr.

AHD 1101 - INTRODUCTION TO CAREER DEVELOPMENT

This course is designed to facilitate the exploration of career interests for students who are uncertain of their career direction, as it relates to a choice of college major. The course is also designed to help facilitate student self assessment of talent, skills, and interest. Each student will explore their academic strengths, individual personality traits and develop goals and objectives toward the declaration of an appropriate college major. Real life experiences and work histories will also be analyzed to help discover current and past values, interest(s), and goals.

Credits: 1 cr.

AHD 1102 - LEARNING STRATEGIES FOR HIGHER EDUCATION

Designed to enhance and develop learning strategies for creating academic success. Topics will include but not be limited to: meta-cognition, collaborative learning and learning strategies. Students will have the opportunity to directly apply new learning strategies to enhance their current course work.

Credits: 1 cr.

- ## AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES

This course will give each student an opportunity to examine their personality, life management skills, values and the relationship to making appropriate life choices. The course is designed to increase each student146s awareness of the responsibilities and control they can impact upon their own life experiences through a holistic approach to living. A strong emphasis will be placed on a rational-emotive, reality-oriented approach to everyday life management skill building and healthy self-esteem development and leadership.

Credits: 3 cr.

- ## ANH 1101 - CULTURAL ANTHROPOLOGY

Introduction to culture as a conceptual mode and to the variations in behavior systems found among human societies. Cultural institutions are examined including the process associated with their development and change. This course provides a basic introduction to cultural anthropology, the study of human cultural variation across time and space. It will follow an evolutionary framework in dealing with human cultural systems including kinship, social organization, political organization, language, economics, and religion.

Credits: 3 cr.

- ## ANH 1103 - INTRODUCTION TO ARCHAEOLOGY

Archaeology is the study of culture and society through their material remains. This course explores how archaeologists investigate, interpret, preserve, and ultimately, learn from the past. Reviews human cultural history from the time of the first people to the present, addressing not only artifacts and remains, but the origins of food production, social hierarchies, gender roles, religion, and civilization.

Credits: 3 cr.

- ## ANH 3315 - NORTH AMERICAN ARCHAEOLOGY

Course with IUP

A survey of North American prehistory with an emphasis on cultural ecology and technology. Attention is given to all geographic areas north of Mexico, but the focus is on the Eastern Woodlands.

Prerequisites & Notes: **Prerequisite:** ANTH 110 or 244 or instructor permission (IUP).

Credits: 3cr

- ## ANH 3320 - ARCHAEOLOGICAL FIELD SCHOOL

Course with IUP

An introduction to archaeological survey, field excavation, and laboratory processing. Field school students participate in one or more of the ongoing research projects of the IUP archaeology program.

Credits: 3cr

- ## ANH 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 – 3 credits at one time.

- ## ARE 2211 - INTRODUCTION TO ART EDUCATION

This is a preparatory art education class that will focus on art curriculum, lesson plan design, familiarize students with the National and State Visual Arts Standards, developmental stages and methods of teaching and behavior management in the art classroom. Includes projects, discussions, and elementary and high school observations. Students will begin building a project file and teaching portfolio.

Credits: 3 cr.

- ## ARE 2240 - ART ED FIELD EXPER

The course engages students in participating as an art educational aide in one or more of the following settings: pre-schools, K-12 art classrooms, after-school programs, museums, and/or residential treatment centers. Learner activities will include observation of art education programs, studio and critical response activities, and the design of curriculum plans and instructional material appropriate for the individual settings. Students are responsible for their own transportation to the placement.

Prerequisites & Notes: ARE 2211.

Credits: 3crs. Notes: Restricted to Art Education Majors

- ## ARE 3291L - HIGH INCIDENCE DISABILITES - ART LAB

The focus of this course will be the application of information taught in SPE-3291; specifically instruction with needed modifications and development of adaptations and accommodations for the Pre-K-12 art classroom; observations, development of adapted lesson plans and materials and teaching experiences will be included. Lab to be taken concurrently with SPE-3291 - High Incidence Disabilities.

Credits: 0 cr.

- ## ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS

Provides an historical and philosophical background in art education. Students experience in-depth lesson plan and curriculum writing. Students will observe in art classrooms and will teach K-8 under the guidance of the professor. Emphasis is placed upon developing methodology for motivation and classroom management in preparation for the semester of student teaching. Must have attained Junior status.

Prerequisites & Notes: Prerequisite: ARE 2211 or Co-requisite: ED 2205.

Credits: 3 cr.

- ## ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS

Provides in-depth experience in lesson plan writing and creating curriculum in art at the secondary level. Students have the opportunity to teach art at an area high school under the supervision of the professor with the cooperation of a high school art teacher. Emphasis is placed upon developing an understanding of motivation and classroom management in preparation for the semester of student teaching.

Prerequisites & Notes: ARE 2211 and ED 2205.

Credits: 3 cr.

- ## ARE 4400 - STUDENT TEACHING

Provides practical experience in teaching art at the elementary and secondary levels under the guidance of a cooperating teacher. Observations and conferences scheduled by the departmental supervisor are held on a periodic basis. Enables students to apply knowledge and skills acquired in the Art Education program. ARE 4400 is required for students seeking certification to teach.

Credits: 12 cr.

- ## ARE 4403L - ART EDUCATION SEMINAR LAB

This course is designed to help students in art education develop a professional approach to careers as artist-educators. Concentrating on the many preparations and processes helpful to beginning art educators, student teachers will meet to discuss successes and problems presented by their teaching experience.

Credits: 0 cr.

- ## ARE 4440 - ART EDUCATION FIELD EXPERIENCE

The course engages students in participating as an art educational aide in one or more of the following settings: pre-schools, K-12 art classrooms, after-school programs, museums, and/or residential treatment centers. Learner activities will include observation of art education programs, studio and critical response activities, and the design of curriculum plans and instructional materials appropriate for the individual settings. Students are responsible for their own transportation to the placements.

Prerequisites & Notes: ED 1110, ARE 2211, SPE 1101, SPE 2276, ED 2205, ARE 3390 and ARE 3393.

Co-requisites: SPE 3352, SPE 3291, ARE 3291L.

Credits: 3 cr. Dual Listed/Cross Listed: ARE 5540.

- ## ARH 1101 - INTRODUCTION TO ART

An approach to the dominant movements and ideas of the Western World as they evolved in visual arts from the cave art origins to the 20th Century systems.

Credits: 3 cr.

- ## ARH 3318 - CONTEMPORARY ART

A global approach to the dominant movements and ideas in art from 1960 to the present. Selected works from North America, Latin America, Europe, Asia, Australia and Africa will be examined. Discusses painting, sculpture, installations, performance, new media, photography, and architecture with attention to historical context and criticism. Considers neoexpressionist, feminist, minority, political, and public art.

Prerequisites & Notes: ARH 1101.

Credits: 3 cr.

- ## ARH 3320 - ART OF AFRICA AND OCEANIA

The study of prehistoric and primitive art from the Paleolithic period: Africa, Asia, Australia, Europe, Mexico, the Americas, and the South Seas.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr.

- ## ARH 3321 - MEDIEVAL ART

Overview of western architecture, painting, sculpture, and minor arts from the fourth through the fourteenth centuries. Includes Early Christian, Byzantine, Carolingian, Ottonian, Romanesque, and Gothic.

Prerequisites & Notes: Take ARH 1101 or 1102

Credits: 3 cr.

- ## ARH 3322 - ART OF THE RENAISSANCE

Comprehensive study of architecture, painting, and sculpture in Italy, Flanders, Holland, Germany, England, France, and Spain with emphasis on the general characteristics of the Renaissance.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr.

- ## ARH 3323 - BAROQUE AND ROCOCO ART

A comprehensive study of painting, sculpture, and architecture from 1600 to 1750 in Italy, Flanders, Germany, Austria, Holland, Spain, France and England.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr.

- ## ARH 3326 - ASIAN ART

Study of art in China, India, and Japan in the areas of architecture, painting, pottery, sculpture, and the minor arts. Trace influences central to the development and spread of important styles and the relationship of art to the classics of Oriental aesthetics.

Credits: 3 cr.

- ## ARH 3328 - HISTORY OF ARCHITECTURE

Study of architecture, styles, and methods of construction from the earliest civilizations to the present. Analyzes the outstanding contributions in architecture of the various cultures with emphasis on further development and influences, citing important examples and their architects.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr.

- ## ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART

Survey of Early African art to contemporary African-American art, appraises the past and present performance of African-American artists and their contributions to American art history.

Credits: 3 cr.

- ## ARH 3330 - HISTORY OF AMERICAN ART

Comprehensive study of the heritage of American art from the Limners and Artisans of colonial times through the 20th century in painting, architecture, and sculpture; emphasizing aesthetic values, movements, trends, and contributions of significant artists.

Prerequisites & Notes: ARH 1101 and ARH 1102.

Credits: 3 cr.

- ## ARH 3331 - HISTORY OF MODERN ART

Overview of the dominant movements and ideas in art and architecture from the 1880's to 1970. Includes Impressionism, Post-Impressionism, symbolism, Art Nouveau, Fauvism, German Expressionism, Cubism, Futurism, Dada, Surrealism, Suprematism, Constructivism, De Stijl, Abstract Expressionism, Color-Field, Minimalism, Pop, Realism, and Superrealism.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr.

- ## ARH 3332 - THE ART OF ANCIENT EGYPT

A comprehensive study of architecture, sculpture, and painting in ancient Egypt from its prehistoric beginnings to the Christian era.

Prerequisites & Notes: ARH 1101.

Credits: 3 cr.

- ## ARH 3333 - ART OF ANCIENT ROME

Overview of the art and architecture of the ancient Roman world, covering Italy and the provinces of the Roman Empire, from the 8th century B.C.E. to the 5th century C.E..

Prerequisites & Notes: ARH 1101.

Credits: 3 cr.

- ## ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE

Explores the relationship between art and mythology in ancient Greece from the Bronze Age through the Classical and Hellenistic periods.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr. Dual Listed/Cross Listed: ARH 5508.

- ## ARH 4409 - WOMEN IN ART

A study of the accomplishments and contributions of women in art and architecture from antiquity to the 20th century. Women as subjects in art will also be examined with emphasis on the cultural and artistic milieu in which they are represented.

Prerequisites & Notes: ARH 1101 or ARH 1102.

Credits: 3 cr. Dual Listed/Cross Listed: ARH 5509.

- ## ARH 4410 - WOMEN IN ANCIENT GREEK ART

This course explores women as subjects and patrons of ancient Greek art, with emphasis on the cultural and artistic milieu in which they are represented.

Credits: 3 cr.

- ## ARH 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr.

- ## ART 1107 - GLOBAL ART

A multicultural approach is taken in this course that integrates western and non-western traditions. This is pursued by an overview of the general history of image and form in painting, sculpture, ceramics, architecture, jewelry, etc. Through a thematic design, the course looks at visual creations from several angles encompassing the social, cultural, ethnic, historical, political, and gender.

Credits: 3 cr.

- ## ART 2218 - PHOTOGRAPHY

The study of black and white, and digital photography. Emphasis is on camera skills, darkroom techniques, and the understanding of photographic imagery.

Credits: 3 cr.

- ## ART 2220 - GALLERY MANAGEMENT & EXHIBITION DESIGN

This course is a basic introduction to the day-to-day work activities relating to the installation and display of art within public, private or not-for-profit arts environments. Students will comprehend the varied responsibilities related to exhibition planning/curating, installation procedures, exhibition proposal, marketing and fundraising through hands-on experiences. The Loomis Gallery will serve as a working lab for the direct application of course concepts.

Prerequisites & Notes: Art majors or permission of instructor.

Credits: 3cr Dual Listed/Cross Listed: ART 3320

- ## ART 2238 - MULTICULTURAL CRAFTS

This is a beginning class in the exploration of a variety of 2-D and 3-D crafts ideas from around the world. Projects will span ancient history through contemporary time. Students will be required to work with a variety of materials and equipment. Students will learn how the applied arts fit within the concept of and relate to “fine” art.

Credits: 3 cr.

- ## ART 2240 - TWO-DIMENSIONAL DESIGN

An introduction to two-dimensional design through the use of various media. This course will explore the creative use of color and elements of design, stressing their function and relationships.

Credits: 3 cr.

- ## ART 2244 - THREE-DIMENSIONAL DESIGN

Three-Dimensional Design is an introduction to the relationship between ideas and the creation of three-dimensional objects. Students will explore the principles and elements of design as they apply to the creation of three-dimensional works of art.

Credits: 3 cr.

- ## ART 2248 - DRAWING

Builds those skill and attitudes necessary for the remainder of the program. Introduces the two- dimensional and three-dimensional aspects of drawing and develops personal power of expression. Designed to stimulate creative thinking, develop sensitivity to the arts element, sharpen impressions and the visual memory.

Credits: 3 cr.

- ## ART 2250 - FIGURE DRAWING

The second foundation course in drawing concentrates on the visual language of the proportion, gesture, and composition of the human figure. Focus will be on the figure as both inspiration and subject matter in Art Exploration of ideas, techniques and “master” works included.

Prerequisites & Notes: ART 2248. Corequisite: ART 2240.

Credits: 3 cr. Dual Listed/Cross Listed: ART 3350 and ART 5550.

- ## ART 3261 - WATER BASE MEDIA

Explores water base media (transparent, gouache, acrylic polymer) with the intent of establishing a broad base of understanding needed to accomplish personal goals.

Credits: 3 cr. Dual Listed/Cross Listed: ART 5513.

- ## ART 3271 - CERAMICS

The study of hand and wheel methods of forming clay both functional and sculptural is the major focus of the course. Comparing and contrasting the cultural similarity and differences in ceramic expression, material origin, and economic impact are essential elements. Introduces the principles of glaze formulations, kiln stacking and firing.

Credits: 3 cr. Dual Listed/Cross Listed: ART 4471 and ART 5571. Notes: 30 earned credits

- **ART 3281 - SCULPTURE**

Exploration of three dimensional design as related to sculpture. Basic techniques of stone and wood carving will be explored in addition to various methods of material build-ups (wood, plaster, Plexiglas, metal, etc.).

Credits: 3 cr. Dual Listed/Cross Listed: ART 5581.

- **ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES**

Studies the philosophic theories of art, aesthetic experience, principles and criticism in the nature and comprehension of the character of arts, the artist, and his/her relationship to life.

Credits: 3 cr.

- **ART 3301 - PAINTING**

An introduction to the use of color, light and value. Compositional problems are taken from observation and imagination. Experimenting in both acrylic and oil based media techniques. Surface preparation and exploring “master” works will be included.

Prerequisites & Notes: ART-2240, ART 2248 and ART 2250.

Credits: 3 cr.

- **ART 3318 - ADVANCED PHOTOGRAPHY**

A more in-depth study and understanding of black and white and digital photography.

Prerequisites & Notes: ART 2218.

Credits: 1 - 6 cr. Notes: May be repeated for a minimum of 12 credits.

- **ART 3320 - ADV GALLERY MANAGEMENT & EXHIBITION DESIGN**

This course is an advanced application of the day-to-day work activities relating to the installation and display of art within public, private or not-for-profit arts environments. Students will make leadership decisions in the responsibilities related to exhibition planning/curating, installation procedures, exhibition proposal, marketing and fundraising through hands-on experiences. The Loomis Gallery will serve as a working lab for the direct application of course concepts.

Prerequisites & Notes: ART 2220, restricted to Art majors or permission of instructor.

Variable Credits: 1-6cr

- **ART 3330 - DIGITAL PHOTOGRAPHY**

A course designed for the non-art major using a hands-on approach to learning the digital camera in acquiring images, in preparing them on the computer for print, and in presenting prints in various formats.

Prerequisites & Notes: 45 earned credits.

Credits: 3 cr.

- **ART 3331 - PRINTMAKING**

Introduction to the printmaking processes of linocut, woodcut, lithography, serigraphy, etching, intaglio, and drypoint with emphasis on their use for creative expression.

Prerequisites & Notes: Restricted to ART students only.

Credits: 3 cr. Dual Listed/Cross Listed: ART 5514.

- **ART 3338 - MULTICULTURAL CRAFTS**

This is an advanced class in the exploration of a variety of 2-D and 3-D craft ideas from around the world. Projects will span ancient history through contemporary time and investigate the importance of crafts in societies. Students will be required to work at an advanced level with a variety of materials and equipment.

Prerequisites & Notes: ART-2238.

Credits: 1 - 6 cr.

- **ART 3345 - 2-D FIBERS**

Surface Design. This course explores techniques used by ethnic peoples across the world to decorate and embellish cloth. The color of cloth is altered with dyes through batik, stenciling, painting and tie-dye. The cloth is enriched with embroidery, beading and quilting. Floor looms are used to explore color and pattern in woven textiles.

Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250 or permission of instructor.

Credits: 3 cr. Dual Listed/Cross Listed: ART 4444 ART 5545.

- **ART 3348 - ADVANCED DRAWING**

The direction of the course of study is determined by the student and instructor.

Prerequisites & Notes: ART 2248.

Credits: 1 - 12 cr.

- **ART 3350 - ADVANCED FIGURE DRAWING**

An advanced drawing course concentrating on the visual language of the proportion, gesture, and composition of the human figure. Focus will be on the figure as inspiration, subject matter and abstraction. Exploration of ideas, techniques and “master” works included.

Prerequisites & Notes: ART 2248 and ART 2240.

Credits: 1 - 6 cr. Dual Listed/Cross Listed: ART 2250 and ART 5550.

- ## ART 3351 - JEWELRY

Study of two and three dimensional design concepts with emphasis on individual solutions in the medium of metal. Both precious and common materials will be used. Traditional techniques of jewelry making will be explored.

Credits: 3 cr.

- ## ART 3362 - ADVANCED WATER BASE MEDIA

The student and instructor determine the direction in the course of study.

Prerequisites & Notes: Prerequisite ART 3261.

Credits: 1 - 12 cr.

- ## ART 3393 - SPECIAL TOPICS

The course is constructed each time it is offered to address different contemporary or historical issues, media and/or techniques of importance in art and art education. This course is recursive for 9 credits.

Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250.

Credits: 3 cr.

- ## ART 3446 - 3-D FIBERs

Fibers construction. This course follows the fiber constructions used by ancient peoples to create textiles. Felting leads to spinning. Knitting and knotless netting lead into weaving and basketry. The floor looms are used to explore color and pattern in woven textiles.

Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250.

Credits: 3 cr. Dual Listed/Cross Listed: ART 4446 and ART 5546.

- ## ART 4401 - ADV OIL PAINTING

The student and instructor determine direction in the course of study.

Prerequisites & Notes: ART 3301.

Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

- ## ART 4403 - SEMINAR

Provides art students with the opportunity to exchange ideas, enhance critical dialectic, and to participate in activities relevant to the professional artist and art educators. In addition, students enrolled in Art Seminar will compile, focus, reflect, and organize their educational experience at Mansfield University into an electronic vita and professional portfolio. This course will further prepare art education and art studio majors for either graduate school or professional employment.

Credits: 2 cr.

- ## ART 4404 - SPECIAL PROBLEMS IN ART

Designed for students interested in extending their scope or gaining depth in specific academic areas related to art and/or education. Since needs and conditions change with each student, the requirements and restrictions are determined by and arranged with the chairperson.

Credits: 1 - 6 cr. Notes: May be taken for 1 through 6 credits.

- ## ART 4430 - ADVANCED DIGITAL PHOTOGRAPHY

An advanced course designed to focus on various techniques in shooting and digitally processing images with the purpose of developing communication skills and artistic visual language.

Prerequisites & Notes: ART 3330.

Variable Credits: 1-6 cr. Dual Listed/Cross Listed: ART 3330 ART 5530.

- ## ART 4431 - ADV PRINTMAKING

This course includes advanced problems and processes in woodcut, lithography, serigraphy, and drypoint intaglio.

Prerequisites & Notes: ART 3331.

Credits: 1 - 12 cr. Notes: May be repeated for a maximum of 1-2 credits.

- ## ART 4442 - ADVANCED ADVERTISING, DESIGN, AND LETTERING

An advanced course that explores the principles and practices of advertising and their relation to society and mass communication. Emphasis will be placed on new computer technology in the field of design, research, and media.

Prerequisites & Notes: ART 3342.

Credits: 1 - 3 cr.

- ## ART 4445 - ADVANCED FIBERS

Direction of the course of study is determined by the student and instructor.

Prerequisites & Notes: ART 3345.

Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

- ## ART 4446 - ADVANCED 3-D FIBERS

Fibers construction II. Advanced fiber constructions used by ancient peoples to create textiles. Felting leads to spinning. Knitting and knotless netting lead into weaving and basketry. The floor looms are used to explore color and pattern in woven textiles.

Prerequisites & Notes: ART 2240, ART 2244, ART 2248 and ART 2250.

Credits: 1 - 6 cr. Dual Listed/Cross Listed: ART 3446 and ART 5546.

- ## ART 4451 - ADV JEWELRY

The direction of the course of study is determined by the student and the instructor.

Prerequisites & Notes: ART 3351.

Credits: 1 - 12 cr. Notes: May be repeated for a maximum of 12 credits.

- ## ART 4461 - ADVANCED WATER BASE MEDIA

The student and instructor determine direction in the course of study.

Prerequisites & Notes: ART 3261.

Credits: 1 - 12 cr.

- ## ART 4471 - ADVANCED CERAMICS

The student and instructor determine direction in the course of study.

Prerequisites & Notes: ART 3271.

Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

- ## ART 4481 - ADVANCED SCULPTURE

The student and instructor determine direction in the course of study.

Prerequisites & Notes: ART 3281.

Credits: 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

- **ART 4489 - INTERNSHIP**

A practical experience in a selected field of artistic endeavor designed to meet the students needs.

Credits: 1 - 12 cr. Notes: May be taken for 3 through 1 2 credits.

- **ART 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

- **ASL 1101 - INTRODUCTORY AMERICAN SIGN LANGUAGE I**

This course introduces the basics of American Sign Language (ASL) and is designed for the students with no or minimal sign language skills. ASL teaches basic skills in the use of ASL and knowledge of Deaf culture. Emphasis is upon acquisition of comprehension, production, and interactional skills using basic grammatical features. ASL will be taught within contexts and related to general surroundings and everyday life experiences.

Credits: 3cr.

- **ASL 1102 - INTRODUCTORY AMERICAN SIGN LANGUAGE II**

This course provides a continuation of the basics of American Sign Language (ASL) learned in ASL 1101.

Prerequisites & Notes: ASL-1101.

Credits: 3cr

- **AST 1105 - THE SOLAR SYSTEM**

A descriptive astronomy course concerning contemporary astronomical and astrophysical theories about the solar system.

Prerequisites & Notes: (HCC fee).

Credits: 3 cr.

- **AST 1106 - STARS AND GALAXIES**

A descriptive astronomy course concerning contemporary astronomical and astrophysical theories about the universe.

Credits: 3 cr.

- **AST 1109 - OBSERVING THE WINTER SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during winter. Students also learn pertinent historical, legendary, and astronomical facts about them.

Credits: 1 cr.

- **AST 1110 - OBSERVING THE SPRING SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during the spring. Students also learn pertinent historical, legendary, and astronomical facts about them.

Credits: 1 cr.

- **AST 1111 - OBSERVING THE SUMMER SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during the summer. Students also learn pertinent historical, legendary, and astronomical facts about them.

Credits: 1 cr.

- **AST 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **BI 1101 - PRINCIPLES OF BIOLOGY I**

Principles of Biology I will provide students with a foundational knowledge in the area of cell biology and genetics. The laboratory section will allow for hands on activities that will reinforce concepts learned in the lecture section, as well as develop students' research skills.

Prerequisites & Notes: Take BI-1101L

Credits: 4cr

- **BI 1101L - PRINCIPLES OF BIOLOGY I LABORATORY**

Principles of Biology I lab will provide students with a foundational laboratory experience in the area of cell biology and genetics. This course will allow for hands on activities that will reinforce concepts learned in the lecture section, as well as develop students' research skills.

Credits: 0cr

- **BI 1102 - PRINCIPLES OF BIOLOGY II**

Principles of Biology II will provide students with a foundational knowledge in the areas of evolution, ecology, and biological diversity. The laboratory section will allow for hands on activities that will reinforce concepts learned in the lecture section, as well as develop students' research skills.

Prerequisites & Notes: Take BI-1102L

Credits: 4cr

- **BI 1102L - PRINCIPLES OF BIOLOGY II LABORATORY**

Principles of Biology II lab will provide students with a foundational laboratory and field experience in the areas of evolution, ecology, and biological diversity. This course will allow for hands on activities that will reinforce concepts learned in the lecture section, as well as develop students' research skills.

Credits: 0cr

[Archived Catalog]

Courses

Contract All Courses |

- **BI 1110 - ZOOLOGY**

An evolutionary approach to the study of the animal kingdom, with attention given to the development of organ systems throughout the several phyla of invertebrates and vertebrates. Function, correlated with structure and taxonomic features, is emphasized. Additional evidence for evolution is included through an introduction to genetics, embryology, and ecology.

Prerequisites & Notes: BI-1102 or permission of instructor.

Credits: 4 cr.

- **BI 1111 - AQUACULTURE**

The technology of controlled husbandry of fish in flowing water. Major emphasis on solving problems relative to the intensive aquaculture.

Credits: 3 cr.

- **BI 1112 - APPLIED AQUACULTURE**

Design and implantation of closed recirculating aquaculture systems (RAS). The course is designed to provide training in the operation of typical RAS, including theory of operation and activities surrounding the care and maintenance of the fish stock, tank systems, and equipment. Students will employ their basic knowledge of biology, chemistry, physics, mathematics, and geometry to understand the principles involved in management and operation of RAS.

Credits: 3 cr.

- **BI 1130 - BOTANY**

A study of plant structure, function, development diversity, and evolution. Practical applications in forestry, agronomy, gardening, and horticulture are included.

Prerequisites & Notes: BI 1102 or permission of instructor.

Credits: 4 cr.

- **BI 2525 - AQUATIC TECHNIQUES**

Introduction to experimental designs, field and laboratory techniques, and statistical methods commonly used to study aquatic ecosystems.

Credits: 3cr

- **BI 3000 - POLITICAL ECOLOGY**

Ecology is the scientific study of the relationships that living organisms have with each other and with their abiotic environment. Introducing human drivers and pressures on ecosystems provides a very different ecological perspective and is the fundamental basis for Political Ecology or the politicized environment. Political Ecology explores the political, economic and social factors affecting environmental issues and changes.

Credits: 3cr

- **BI 3290 - RESEARCH METHODS**

Students will learn to design, conduct, and present empirical biological research. Topics to be covered will include the scientific method, experimental design, statistical analysis, biological literature, presentation of research, and research proposals. Students will also conduct group research projects.

Prerequisites & Notes: Permission of instructor.

Credits: 2 cr.

- **BI 3310 - PHYSIOLOGY**

A systematic study of the life processes and functions of the animal body with particular emphasis on the mammalian vertebrate.

Prerequisites & Notes: BI 1101

Credits: 4 cr.

- **BI 3311 - NEUROPHYSIOLOGY**

This course examines the molecular, cellular, and network-level mechanisms underlying the function of neurons (nerve cells) and the

nervous system. Special emphasis is placed on using laboratory techniques such as extra-and intracellular recording from invertebrates such as crayfish and snails to study how neurons interact in sensory and motor processing, learning and memory.

Prerequisites & Notes: Limited to junior status or higher

Credits: 3cr.

- **BI 3312 - VERTEBRATE ANATOMY**

A history of vertebrates and comparative systems through the major vertebrate groups correlating their historical development.

Prerequisites & Notes: BI 1110.

Credits: 3 cr.

- **BI 3314 - ICHTHYOLOGY**

A laboratory and field study of the fishes inhabiting the lakes and rivers of this area constitute the major portion of this course. Collection, measurement and chemical data as related to fish populations, management, and meristic characters will be collected and analyzed.

Prerequisites & Notes: BI 1101.

Credits: 3 cr.

- **BI 3315 - FISH PATHOLOGY**

A consideration of the diagnosis and treatment of diseases commonly found in hatchery fish. Diseases of bacterial, viral, parasitic, and environmental origin are studied together with recommended treatment for each.

Prerequisites & Notes: BI 1110.

Credits: 3 cr.

- **BI 3316 - INVERTEBRATE ZOOLOGY**

An integral evolutionary approach to the anatomy, physiology, and ecology of protozoan Protista and Animalia phyla: Porifera through nonvertebrate Chordata.

Prerequisites & Notes: BI 1101.

Credits: 3 cr.

- **BI 3317 - PARASITOLOGY**

A systematic study of host-parasite relationships. Emphasis involves life-cycles and comparative characteristics of parasitic protozoans, helminths and arthropods.

Prerequisites & Notes: BI 1101.

Credits: 3 cr.

- **BI 3318 - ORNITHOLOGY**

A study of the physiology, development, ecology, behavior, and evolution of birds. In the laboratory, students will learn to identify local bird species in the field, and will become familiar with the bird families of the world. Course includes required field trips.

Prerequisites & Notes: BI 1101.

Credits: 3 cr.

- **BI 3319 - AQUATIC ENTOMOLOGY**

The content of this course will cover the biology and ecology of the aquatic insects of North America. The lab portion of the course will involve a number of collecting trips to local aquatic environments to study aquatic insects in the field. Students will also collect insects for study and identification in the lab. The course content will be taught as it relates to the study and analysis of aquatic insect communities as done by state and federal environmental agencies.

Prerequisites & Notes: BI 3351.

Credits: 3 cr.

- **BI 3330 - PLANT PHYSIOLOGY**

Designed to develop an understanding of the chemical and physical processes occurring in plants including respiration, photosynthesis, hormonal activity, osmosis, transpiration, mineral absorption and translocation. The laboratory work will involve analysis of these functions.

Prerequisites & Notes: BI 1130.

Credits: 3 cr.

- **BI 3331 - LOCAL FLORA**

Taxonomic and ecological study of local flowering and non-flowering plants.

Prerequisites & Notes: BI 1130.

Credits: 3 cr.

- **BI 3333 - PLANTS AND PEOPLE**

An examination of the uses of plants by humans around the world. Topics will include origins of agriculture, medicinal plants, foods and spices, wood and bamboo products, and ornamental plants. Field trips will include visits to natural healers, botanical gardens,

orchards and wineries, and wild edible and medicinal plant walks.

Prerequisites & Notes: BI-1130 or permission of instructor.

Credits: 3

- ## BI 3350 - ECOLOGY

A study of the fundamental ecological principles of plants and animals in their environment.

Prerequisites & Notes: BI-1101 or BI-1102.

Credits: 4 cr.

- ## BI 3351 - LIMNOLOGY

A study of the ecology of inland waters with emphasis on the chemical, physical and biological factors which influence productivity. Coverage also includes water use and pollution control, pollution evaluation techniques and regulatory information.

Prerequisites & Notes: BI 3350.

Credits: 3 cr.

- ## BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS

Theory, practice, and demonstration of managing farm ponds for optimal sport fishing.

Prerequisites & Notes: BI 3350.

Credits: 3 cr. Dual Listed/Cross Listed: BI 5561.

- ## BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS

Theory, practice, and demonstration of managing streams, rivers, natural lakes, and large impoundments for optimal sport fishing.

Prerequisites & Notes: BI 3350.

Credits: 3 cr. Dual Listed/Cross Listed: BI 5562.

- **BI 3354 - MARINE BIOLOGY**

Studies basic to the biology and ecology of marine organisms. Practical applications such as biological/ecological sampling techniques and species identification are covered in the laboratory and on a coastal field trip.

Prerequisites & Notes: BI 3350.

Credits: 3 cr.

- **BI 3355 - PALEOBIOLOGY**

Examines the origin and subsequent evolution of life over the past four billion years. The paleobiology and geologic history of major animal and plant groups are discussed. The course includes field trips to local and regional fossil sites.

Prerequisites & Notes: BI 1110, BI 1130 and BI 3350.

Credits: 3 cr. Dual Listed/Cross Listed: ANH 3335.

- **BI 3356 - ANIMAL BEHAVIOR**

A study of the neuronal, hormonal, and evolutionary foundations of animal behavior in invertebrate and vertebrate taxa. Behaviors such as feeding, communication, mating, and caring for offspring are discussed. Emphasis is placed on the use of the scientific method to discover principles of animal behavior, the appropriate design of animal behavior experiments, and the analysis of data.

Prerequisites & Notes: BI 1101.

Credits: 3 cr.

- **BI 3357 - EPIDEMIOLOGY**

The study of distribution and determinants of disease and injury in populations. Provides an introduction into community health and medical problems and services. Problem solving, case-control studies, and statistical analysis are emphasized.

Prerequisites & Notes: BI 3370.

Credits: 3 cr.

- **BI 3358 - PLANT-ANIMAL INTERAC**

Students will investigate the complexities and subtleties of mutualistic, antagonistic, and commensalistic interactions between plants and animals. Topics discussed will include co-evolution, pollination biology, plant-herbivore interactions, seed dispersal and predation, ant-plant interactions, and carnivorous plants. Students will conduct empirical research in the laboratory and the field.

Prerequisites & Notes: BI 3350.

Credits: 4 cr.

- **BI 3370 - CELL BIOLOGY**

A study of the cellular level of life with emphasis on cellular structures and their relationship to movement, function, and energy transformation. Cellular genetics and the cellular approach to medicine are also discussed.

Prerequisites & Notes: CHM 1111 and BI 1101 or BI 1102.

Credits: 4 cr.

- **BI 3371 - MICROBIOLOGY**

An introductory course with emphasis on the basic principles and concepts of microbiology concerning anatomy, classification, physiology, medical and practical uses of micro-organisms. The laboratory helps students develop aseptic technique.

Prerequisites & Notes: BI 3370.

Credits: 4 cr.

- **BI 3372 - GENETICS**

A study of basic principles and concepts of classical and molecular genetics. Emphasis will be on linkage analysis, structural, biochemical and molecular genetics.

Prerequisites & Notes: BI 3370.

Credits: 3 cr.

- **BI 3374 - IMMUNOLOGY**

The study of antigens and antibodies encompassing the fields of the immune response, autoimmunity, allergic reactions, tumor immunology, tissue graft and transplant biology.

Prerequisites & Notes: BI 3370.

Credits: 3 cr.

- **BI 3375 - DEVELOPMENTAL BIOLOGY**

A comparative survey of the development of representative animals from several phyla with emphasis on gamete formation, fertilization, embryonic development, organogenesis, growth, and biological aging. The laboratory combines examples of live plant and animal development with prepared slides of frog and chick embryology.

Prerequisites & Notes: BI 3370.

Credits: 3 cr.

- **BI 3378 - TISSUE CULTURE**

The study of eukaryotic cell culture and molecular techniques. Students will become competent in tissue culture methods used in research laboratories.

Prerequisites & Notes: Prequisite:BI 3370

Corequisite: BI 3378L & BI 3290

Credits: 2 cr. Notes: One hour lecture, three hours lab per week.

- **BI 3379 - VIROLOGY**

The physical and chemical nature of viruses, methods of propagation and assay, and characteristics of the major viral groups will be covered in this course. In addition, the biochemistry and molecular genetics of viral replication, as well as the types of viral diseases will be described. Finally, we will discuss methods of diagnosis and detection, current uses of viruses in gene therapy/vaccine development, oncogenic viral pathogens and emerging viruses.

Prerequisites & Notes: BI 3370

Credits: 3 cr

- **BI 3390 - BIOSTATISTICS AND EXPERIMENTAL DESIGN**

Presents to science students a description of the processes of experimental design, selection of appropriate statistical tests to analyze experimental data, and performance of these tests using current software.

Prerequisites & Notes: BI 3290

Credits: 3 cr.

- **BI 3391 - EVOLUTION**

A study of the basic theory, mechanisms, and pathways of natural selection. Also studies the development of evolutionary thought from antiquity to the current gradualist and punctuated equilibrium models. Both genetic and paleontological data are analyzed in examining micro and macroevolutionary scenarios.

Prerequisites & Notes: BI 1102 or BI 1102.

Credits: 3 cr. Dual Listed/Cross Listed: ANH 3390.

- **BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT**

Fish Management is the provision for people of a sustained benefit from their use of living aquatic resources and involves the biological, ecological, economic and sociological components of a system that provides aesthetic and other non-tangible benefits to people as well as fish for consumption. The biology of fishes and fisheries in the broad context of its role as a part of a larger society is the subject of BI 3392. The course is designed to fulfill three credits of the human dimensions requirement for certification by The

American Fisheries Society.

Credits: 3 cr.

BI 3394 - NATURAL AND CULTURAL HISTORY OF THAILAND

This three week field course will allow students to explore the natural and cultural history of Thailand. Major biological topics will include tropical biology, rainforest ecology, conservation biology, ethnobotany, and coral reef ecology. Major cultural topics will include Thai history and culture, hill tribe people, Buddhism, and the arts. Students are required to attend six introductory course orientation sessions at Mansfield University the semester prior to departure.

Prerequisites & Notes: BI 1110, BI 1130 and permission of instructor.

Credits: 3 cr.

BI 3395 - INTRODUCTION TO GENOMICS

An introduction to the field of Genomics, including genome structure, sequencing technologies, sequence analysis, and applications of genome analysis. Genomes across all domains of life as well as viruses will be explored. Questions in the fields of medicine, ecology, evolution and cell biology will be addressed using the tools of the genomic analysis.

Prerequisites & Notes: BI 3370

Credits: 3cr.

BI 3396 - LABORATORY ANIMAL SCIENCE

An undergraduate level course intended to give students a foundation in laboratory animal science as well as an introduction to animal handling techniques. Mouse models commonly used in biochemical research will be emphasized. This course covers the feeding, common management practices, and care of laboratory animals and will provide the basic knowledge of handling., husbandry, nutrition, and common diseases of laboratory animals. This course will introduce the student to the principles and basic considerations in experiment design of scientific research that utilizes animal models.

Prerequisites & Notes: Take: BI-3370

Co-requisites: BI-3290, BI-3396L

Credits: 2cr

BI 3535 - INTRODUCTION TO CONSERVATION GENETICS

Conservation Genetics introduces students to the application of genetic data for the conservation and management of natural resources. Emphasis will be placed on the use of molecular genetic methods to define management or conservation units and prioritizing these units for conservation delivery. The course will also explore how evolutionary forces shape genetic diversity and why this is important for conservation and sustainability of natural resources.

Credits: 3cr

- **BI 4451 - PRACTICUM IN BIOLOGY**

The practicum in biology provides students the opportunity to apply knowledge and skills in the biological sciences while working with a public or private agency involved in aspects of applied biology. The practical experience thus acquired both supplements and reinforces the more academic aspects of biology stressed in the classroom.

Credits: 1- 4 cr.

- **BI 4470 - MOLECULAR BIOLOGY**

An examination of the principles and techniques underlying the chemical and physical aspects of living systems. A study of the structure and activities of biological molecules which, properly integrated, constitute all forms of life. The laboratories will demonstrate techniques of the activities, separation and analysis of these molecule forms.

Prerequisites & Notes: BI 3370.

Credits: 3 cr.

- **BI 4492 - RESEARCH IN BIOLOGICAL SYSTEMS I**

The first semester of an intensive capstone research experience in a selected biological system. Students pursue an original research project mentored and evaluated by the biology faculty.

Prerequisites & Notes: Students must take BI 4492 (starting research) prior to taking capstone BI 4493 (writing and presentation). Take BI 3290 and 76 earned credits.

Credits: 2 cr.

- **BI 4493 - RESEARCH BIOLOGICAL SYSTEMS II**

The second semester of an intensive capstone research experience in a selected biological system. Students prepare a full research paper and oral presentation based on an original research project. Manuscript and presentation preparation is mentored and evaluated by the biology faculty.

Prerequisites & Notes: BI 4492

Credits: 2 cr.

- **BI 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Prerequisites & Notes: BI 3290.

Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

- **BSC 1101 - GENERAL BIOLOGY**

An introduction to biological processes; study and discussion of these processes together with ecological aspects of life. The laboratory stresses demonstration and analysis of biological processes.

Credits: 4 cr.

- **BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS**

This course focuses on biological approaches to real world questions that impact students, including topics such as vaccination and genetic testing. Students will apply basic biological concepts to and research perspectives on each topic. Emphasis will be on developing skills to interpret different ethical perspectives from a variety of sources and to form and communicate opinions.

Credits: 3 cr.

- **BSC 1103 - ENVIRONMENTAL BIOLOGY**

General education course for non-science majors. It provides students with biological explanations of environmental issues such as pollution, acid rain, global warming, environmental toxicology, forestry, wildlife conservation, etc.

Credits: 3 cr.

- **BSC 1104 - HUMAN BIOLOGY**

An overview of the human organism. Emphasis involves organization, maintenance, movement and support, integration, reproduction, genetics, evolution, and ecology of humans.

Credits: 4 cr. Dual Listed/Cross Listed: ANH 1102.

- **BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY I**

This course presents an integrated approach to the study of the anatomy and physiology of the various organ systems of the human body. Enrollment in Human Anatomy & Physiology I (BSC 1121) is restricted to majors in Nursing, Nutrition & Dietetics, Music Therapy, Respiratory Therapy and Radiology Technology or permission of instructor.

Credits: 1 -4 cr.

- **BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II**

A continuation of BSC 11 21. This completes an integrated approach to the study of the anatomy and physiology of the various organ systems of the human body. Enrollment in Human Anatomy & Physiology I (BSC 1122) is restricted to majors in Nursing, Nutrition & Dietetics, Music Therapy, Respiratory Therapy and Radiology Technology or permission of instructor.

Credits: 4 cr.

- ## BSC 2294 - NATURAL AND CULTURAL HISTORY OF THAILAND

This three week field course will allow students to explore the natural and cultural history of Thailand. Major biological topics will include tropical biology, rainforest ecology, conservation biology, ethnobotany, and coral reef ecology. Major cultural topics will include Thai history and culture, hill tribe people, Buddhism, and the arts. Students are required to attend six introductory course orientation sessions at Mansfield University the semester prior to departure.

Prerequisites & Notes: Permission of instructor.

Credits: 3 cr.

- ## BSC 3071 - MICROBES AND HUMAN HEALTH

An introduction to the wide variety of impacts (both beneficial and detrimental) of microbes on human health. Topics will include basic biology of bacteria and viruses, ecological contributions, the human microbiome, mechanisms of disease, and medical implications. Students will also explore how they can use their knowledge of the health impacts of microbes to improve their own health.

Credits: 3cr

- ## BSC 3082 - CANCER AWARENESS

A study of basic principles and concepts of cancer biology. Emphasis is on world-wide epidemiology, genetic and environmental causes, tumor development and metastasis, and cancer prevention, diagnosis, and treatment.

Prerequisites & Notes: 60 Earned credits

Credits: 3cr.

- ## BSC 3100 - CONSERVATION AND BIODIVERSITY

Students in this course will examine some of the current challenges we face in conserving the world's biodiversity. Ecological, economic, social and cultural perspectives will be considered as students evaluate approaches for preserving and restoring populations of living organisms. In addition, the value of biodiversity and the impact on human activities have on biodiversity will be considered.

Prerequisites & Notes: 30 Earned credits

Credits: 3cr.

- ## BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES

An introductory course for health science students emphasizing the basic principles and concepts of microbial anatomy, classification, physiology, and their practical applications as well as developing aseptic techniques.

Prerequisites & Notes: Take BSC-1121.

Credits: 4 cr. Notes: Offered every spring.

- **BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT**

Studies an overview of the broad concept of business functions. Provides a foundation for understanding the relationship between essential activities of business. Helps students to determine and pursue their areas of interest and aptitude.

Credits: 3 cr.

- **BUS 1140 - INTRODUCTION TO GLOBALIZATION**

This course introduces the students to the increasing global interconnections between countries. These interconnections reveal themselves through economic, political, cultural, environmental, and trade issues. The course will expand students' understanding about the world economy and enhance their ability to grasp so many global issues reported in the media. Students can use this course as a gateway to choose among the many different programs offered by Mansfield University, including anthropology, business and women's studies.

Credits: 3 cr.

- **BUS 2202 - PERSONAL FINANCE**

The focus of this course is to provide financial decision making tools and techniques of money management. The course will analyze handling of financial records, financing of home and automobiles, financing of education, estate and retirement planning.

Credits: 3 cr.

- **BUS 2249 - BUSINESS DATA ANALYSIS I**

This course provides a practical application of fundamental statistical methods to Business problems. Topics covered include descriptive statistics, probability, discrete probability distributions, continuous probability distributions, sampling distributions, and interval estimation.

Credits: 3 cr.

- **BUS 3260 - ENTREPRENEURSHIP**

Introduces students to the REAL (Rural Entrepreneurship Through Action Learning) Program, which aids in the development of a business plan. The course stresses the necessary knowledge unique to running and managing a small firm. It focuses on the business planning process and the characteristics important in running a successful business.

Credits: 3 cr.

- **BUS 3310 - MANAGING DIVERSITY**

Presents in-depth information of changes in demographic composition, cultural profiles, values, and lifestyles. Provides students with necessary skills to effectively function in the global marketplace, manage employee differences, and improve productivity.

Credits: 3 cr.

- ## BUS 3321 - INTERNATIONAL BUSINESS

Provides a managerial view point of the dynamics of international business. Topics covered include history and scope of international business, international trade theory, foreign direct investment, governmental influences on trade and regional economic integration, and sociocultural and legal factors on MNC's.

Prerequisites & Notes: BUS/MGT 2230 and ECO 1101.

Credits: 3 cr.

- ## BUS 3349 - BUSINESS DATA ANALYSIS II

Provides a systematic application of modern quantitative tools and techniques in practical situations. Topics include hypothesis testing, probability distribution, simple and multiple regression, and time series analysis.

Prerequisites & Notes: BUS 2249, Must pass with a grade of C- or better.

Credits: 3 cr.

- ## BUS 3350 - OPERATIONS MANAGEMENT

A study and use of analytical tools for demand forecasting, use of system design and measurement, inventory control and resource allocation. Specialized and analytical techniques are used to deal with practical situations.

Prerequisites & Notes: BUS 2249

Credits: 3 cr.

- ## BUS 3390 - SUPPLY CHAIN MANAGEMENT

Topics include the relationships between profitability and customer service, customer satisfaction and productivity; management of incoming supplies and services; scheduling of workers, material, and jobs within a facility; storage and delivery of products and services to customers; managing service capacity and wait times, and finally discussions of internal and external customer service. The course is designed to examine a firm as a complete business, operating within an integrated network of external suppliers, internal suppliers, internal customers, and external customers.

Prerequisites & Notes: 45 earned credits.

Credits: 3

- ## BUS 3450 - BUSINESS PRACTICUM

Supervised and evaluated participation in the regular activities of a business organization, government agency or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to document work experience and have positive performance evaluation from immediate supervisor.

Prerequisites & Notes: 30 earned credits.

Credits: 1-5 cr. Notes: The course may be taken for 1 - 5 credits. All practicum credits are considered free electives.

- ## BUS 4410 - BUSINESS LAW I

Introduces the legal environment of business and its role in modern society. Topics include the formation of contracts, sales, negotiable instruments, bank deposits and collections, secured transactions, and business organization. Emphasizes social and ethical considerations, terminology, fundamental legal principles, and analysis.

Prerequisites & Notes: 25 earned credits.

Credits: 3 cr.

- ## BUS 4441 - FINANCIAL STATEMENT ANALYSIS

Analyzes financial statements issued by public held organizations. Emphasis is on the use of financial statements by creditors, investors, and those who are external to the enterprises. Topics include cash flow analysis, standards of financial analysis, and off-balance sheet financing.

Prerequisites & Notes: ACC 1111.

Credits: 3 cr.

- ## BUS 4450 - BUSINESS INTERNSHIP

A link between the classroom and experience on the job, the internship provides qualified students a three way arrangement among the professor-advisor, the employer and the student-employee. Students may obtain appropriate internship employment on their own or in conjunction with the internship advisor.

Prerequisites & Notes: 60 earned credits.

Credits: 6 – 15 cr. Notes: May be taken for 6 through 15 credits. All credits are considered free electives.

- ## BUS 4490 - STRATEGIC MANAGEMENT AND BUSINESS POLICY

This capstone course integrates the concepts students have been learned in the various business functional areas. It includes environmental scanning, strategy formulation, strategy implementation and evaluation and control. The course deals with the critical managerial issues and decisions that determine the long-run performance of an organization.

Prerequisites & Notes: ECO 1101, ACC 1111 and 75 earned credits.

Co-requisites: BUS 3330 and BUS 3349.

Credits: 3 cr.

BUS 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

CAP 4999 - CAPSTONE PROJECT

Capstone project.

Credits: 0 cr. General Education Requirement: Capstone Project

CDN 1101 - INTRODUCTION TO CANADA

An interdisciplinary course. Provides a comprehensive introduction to Canada stressing the basics of geography, history, economics, politics, and culture before taking up various contemporary issues, among them: constitutional reform, environmental issues, and the sovereignty of Canada's Native People.

Credits: 3 cr. General Education Requirement: Global Awareness, Humanities

CDN 4490 - SELECTED TOPICS IN CANADIAN STUDIES

An in-depth study of an issue or problem in Canadian culture, politics or business.

Prerequisites & Notes: CDN 1101 or permission of instructor.

Credits: 3 cr. General Education Requirement: Global Awareness

CHE 1120 - INTRODUCTION TO GLOBAL COMMUNITY HEALTH EDUCATION

This course introduces students to Healthy People 2020, principles of global health, the role of the community health educator as well as basic principles of communication, legal and ethical issues, and professional behaviors. Topics include: epidemiology, community organization, program planning, health concerns of various age and ethnic groups, environmental and occupational health and safety, and a comparison of international healthcare systems.

Credits: 3 cr.

CHE 3320 - INTRODUCTION TO EPIDEMIOLOGY

This course is a core course in the Community Health Education Program. Students will learn how to analyze and manage epidemiologic data, interpret results, and apply results in the prevention and control of acute and chronic disease and health-related events. Students will also learn how to locate and utilize epidemiological data specific to rural populations.

Prerequisites & Notes: Take CHE 1120

Credits: 3cr. Notes: Co-requisites: MA 1125, BSC 1104 or BSC 1122 or permission of instructor.

- ## CHE 4420 - CHE COMMUNITY ASSESSMENT AND PROGRAM PLANNING

This course teaches students how to do community health assessments and how to use the information collected to plan community health promotion programs. The role of the community health educator as teacher is also explored. Students are introduced to learning theory, individual learning styles, teaching styles and curriculum development based on specific student learning outcomes for specific populations. Students will be required to develop a curriculum that will be implemented in their capstone class (CHE 4430).

Prerequisites & Notes: CHE-1120, BSC 1104 or BSC 1122.

Co-requisites: CHE-3320

Credits: 3 cr.

- ## CHE 4430 - COMMUNITY HEALTH EDUCATION PROGRAM EVALUATION

This course will introduce students to the concept of program evaluation. Students will examine evidence-based and outcomes-based evaluation of health programs. Students will be required to present the curriculum project designed in CHE 4420 to a specific population in the community. Students will evaluate the program's effectiveness. This course is designated to be the capstone course for the Community Health Education program.

Prerequisites & Notes: CHE-1120, CHE-2220 and CHE-4420

Credits: 3 cr.

- ## CHE 4433 - HEALTH PROMOTION

An interdisciplinary, international investigation of health promotion taught from the perspective of various disciplines with an emphasis on issues of nutrition, exercise, health behaviors and motivational theory. It is designed to familiarize students with implementing strategies for health promotion and disease prevention on the personal and community level. Active participation by the student in a health promotion project will be required.

Prerequisites & Notes: CHE-1120, CHE-2220 or NUR-3271 or RN status

Credits: 3 cr.

- ## CHE 4465 - RURAL HEALTH ISSUES

The central focus of this course is to define and conceptually explore the essence of rurality and rural health issues. A comparison of the uniqueness of rural health issues will be explored from a global and cultural perspective. Identifying the cross cutting factors that tie rural to urban health care systems will assist the student to develop and understanding of the advocacy role of rural health care

providers.

Prerequisites & Notes: CHE-1120, CHE-2220 or NUR-3271 or RN status

Credits: 3 cr.

- ## CHM 1101 - INTRODUCTORY CHEMISTRY

A treatment of fundamental principles for non-science majors. Does not meet degree requirements for chemistry or biology majors.

Credits: 4 cr.

- ## CHM 1102 - ORGANIC AND BIOCHEMISTRY

Deals with the principles of organic and biochemistry and their application to topics such as nutrition, consumer products, and the environment. In the laboratory students carry out various reactions, syntheses, analyses, and separations that exemplify the practice of organic and biochemistry. This course does not meet degree requirements for chemistry or biology majors.

Prerequisites & Notes: CHM 1101 or permission of instructor.

Credits: 4 cr.

- ## CHM 1103 - CHEMISTRY AND THE ENVIRONMENT

Examines the theory and practice of chemistry and its relationship with the environment. The impact of modern day living on the environment will be examined. Topics treated will be integrated and historically developed. This course does not meet degree requirements for the chemistry major.

Credits: 3 cr.

- ## CHM 1105 - HOW DRUGS WORK

This lecture course outlines the mechanisms by which drugs exert their effects on the body. It begins with a discussion of molecular structures of drugs and their targets in the body, and then reviews physiological aspects of various disease states and the ways different drug classes modify the relevant physiology. This course does not meet degree requirements for the chemistry major.

Credits: 3 cr.

- ## CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL

A survey course for non-science majors. General, Organic, and Biological Chemistry are emphasized. DOES NOT meet degree requirements for chemistry and biology majors.

Credits: 4 cr.

- ## CHM 1111 - GENERAL CHEMISTRY I

For science majors. A study of the fundamental principles of chemistry from the standpoint of stoichiometry, gases, states of matter, solution reactions, bonding, atomic and molecular structure. Laboratory sessions stress the chemical principles discussed in the lecture.

Credits: 4 cr.

- ## CHM 1112 - GENERAL CHEMISTRY II

A continuation of CHM 1111: kinetics, thermodynamics, oxidation-reduction, acid-base theory and equilibrium are studied.

Prerequisites & Notes: CHM 1111.

Credits: 4 cr.

- ## CHM 2201 - INTRODUCTION TO BIOCHEMISTRY

An introductory course in biochemistry with particular emphasis on human nutrition. Major topics are fuel management and the organization and control of metabolic pathways. The laboratory component includes separation, analysis, and properties of carbohydrates, lipids, amino acids, and enzymes. This course does not meet degree requirements for chemistry and biology majors.

Prerequisites & Notes: CHM 1102.

Credits: 4 cr.

- ## CHM 3264 - CHEM MTDS FOREN SCI

An advanced treatment of the chemical methods used in the investigation of criminal activities. The use and reliability of chemical tests, solubilities, and reactions as well as the chemistry of chromatographic, spectroscopic and instrumental analysis will be included.

Prerequisites & Notes: CHM 1110, SCI 1104 and SCI 1107. Corequisite course: CHM-3264L.

Credits: 3 cr.

- ## CHM 3301 - ORGANIC CHEMISTRY I

Fundamentals of organic chemistry are presented. Modern theory, reaction mechanisms and stereochemistry are included along with nomenclature, preparation, reactions and properties of organic compounds. The laboratory stresses syntheses, chemical and physical properties and an introduction to instrumental techniques. The laboratory period includes one hour of lecture on theory and techniques of laboratory operations.

Prerequisites & Notes: CHM 1112.

Credits: 4 cr.

- **CHM 3302 - ORGANIC CHEMISTRY II**

A continuation of CHM 3301. The laboratory period includes one hour of lecture on theory and techniques of laboratory operations.

Prerequisites & Notes: CHM 3301.

Credits: 4 cr.

- **CHM 3311 - QUANTITATIVE ANALYSIS**

An introductory course in analytical chemistry emphasizing classical titrimetric and gravimetric methods and related theories.

Prerequisites & Notes: CHM 1112.

Credits: 4 cr.

- **CHM 3321 - PHYSICAL CHEMISTRY I**

An introduction to the methods and topics of physical chemistry. Topics include introduction to thermodynamics, equilibria, kinetics, atomic structure, and molecular spectroscopy.

Prerequisites & Notes: CHM 1112, CHM 3302, MA 2231, PHY 2210 and PHY 2211.

Credits: 4 cr.

- **CHM 3322 - PHYSICAL CHEMISTRY II**

A continuation of CHM 3321 . Advanced study of the methods and topics covered in physical chemistry I. MA 2233 is required.

Prerequisites & Notes: CHM 3321 and MA 2232.

Credits: 4 cr.

- **CHM 3332 - INSTRUMENTAL ANALYSIS**

Deals with the principles and applications of instrumental methods in chemical analysis. Studies include electroanalytical, spectrophotometric, and chromatographic techniques.

Prerequisites & Notes: CHM 3311.

Credits: 4 cr.

- **CHM 3341 - BIOCHEMISTRY**

A study of carbohydrates, lipids, proteins, enzymes, nucleic acids, vitamins, and hormones in terms of structure, function, and synthesis in living systems. The laboratory includes the isolation, identification, and chemical behavior of biochemically important

molecules.

Prerequisites & Notes: CHM 3302 or permission of instructor.

Credits: 4 cr.

- ## CHM 4410 - SEMINAR

Deals with reports emphasizing chemical literature searches and/or current research.

Prerequisites & Notes: Upper division chemistry major.

Credits: 1 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY

The identification of organic compounds by various classical and instrumental techniques.

Prerequisites & Notes: CHM 3302.

Credits: 3 cr.

- ### CHM 4421 - ADVANCED ORGANIC CHEMISTRY

An advanced lecture course designed to deepen and expand knowledge in the field. Topics such as reactions, mechanisms, reactive intermediates, photochemistry, kinetics, stereochemistry, natural products, and spectroscopy may be stressed.

Prerequisites & Notes: CHM 3302 and CHM 3321.

Credits: 3 cr.

- ### CHM 4431 - ADVANCED INORGANIC CHEMISTRY

A presentation of atomic structure and periodic properties. In addition to other topics; valence bond, molecular orbital, crystal and ligand field theories are treated. Laboratory sessions include one hour of lecture on theory and techniques in the preparation of representative compounds.

Prerequisites & Notes: CHM 1112 and CHM 3321.

Credits: 4 cr.

- ### CHM 4432 - STRUCTURAL CHEMISTRY

The symmetry and structural properties of molecular systems are utilized to determine their energy levels. The electronic and vibrational spectroscopic properties of these systems will be predicted also utilizing symmetry properties. These spectra-structure correlations will be made on organic and inorganic systems.

Prerequisites & Notes: CHM 3302 and CHM 3321.

Credits: 3 cr.

- ## CHM 4490 - PROBLEMS IN CHEMISTRY

Involves the student in study projects under the direct supervision of an instructor. Library and laboratory research in selected problems.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 3 cr. Notes: May be taken for one through three credits.

- ## CHM 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## CHN 1101 - INTRODUCTORY CHINESE I

For students with little or no prior experience in Chinese (Mandarin) language. Skills are taught within a cultural context and include pronunciation, speaking, and listening comprehension skills, as well as an introduction to the Chinese writing system.

Credits: 3 cr.

- ## CHN 1102 - INTRODUCTORY CHINESE II

A continuation of CHN-1101, Introductory Chinese I. Skills are taught within a cultural context and include pronunciation, speaking, and listening comprehension skills, as well as an introduction to the Chinese writing system.

Prerequisites & Notes: CHN 1101.

Credits: 3 cr.

- ## CIS 1000 - ORIENTATION TO CIS

Required for all CIS majors. Introduces students to the structure and organization of the computing field. Also covers topics such as professional, ethical, legal, security, and social responsibilities.

Credits: 1 cr.

- ## CIS 1102 - VISUAL BASIC PROGRAMMING

Introduces problem solving through the use of the programming language, Visual Basic. Enables students to write programs, which

they can use for Windows development, scientific computing, spreadsheet design, and database work.

Credits: 3 cr.

- ## CIS 1103 - INTRODUCTION TO MICROCOMPUTERS

Introduces an operating System for microcomputers and the use of word processing, spreadsheet, and presentation software.

Credits: 3 cr.

- ## CIS 1109 - EXPLORATIONS OF COMPUTER SCIENCE

This course gives the student a general introduction to the foundations and principles of computer science. Elements of software development and object-oriented programming are introduced. Students will learn basic, fundamental programming constructs using a real-world programming language. Topics may include handling computer input and output, user interfaces, 2D and 3D graphics, animation, sound, games, and multimedia.

Credits: 3

- ## CIS 1115 - PROGRAMMING WITH OBJECTS

Introduction to computer-based problem solving and programming using a high-level language. Topics include problem solving methodologies, program design, algorithm development, and testing. Language concepts include variables, data types and expressions, assignment, control-flow statements, arrays, sorting, functions, and classes and objects.

Prerequisites & Notes: Co-requisites: CIS 1115L.

Credits: 4 cr.

- ## CIS 1115L - PROGRAMMING WITH OBJECTS LAB

Guided programming exercises in support of concepts taught in CIS 1115.

Prerequisites & Notes: Co-requisites: CIS 1115.

Credits: 0 cr.

- ## CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS

Advanced applications of spreadsheets, data base management systems, and graphics.

Credits: 3 cr.

- ## CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I

An introduction to analyzing and designing solutions to business-related problems using a business programming language.

Prerequisites & Notes: CIS 1115.

Credits: 3 cr.

CIS 3300 - PRINCIPLES OF PROGRAMMING LANGUAGES

Comparative study of current programming languages. Examines the structure of languages and their use in problem solving.

Prerequisites & Notes: CIS 3315

Credits: 3 cr.

CIS 3303 - WEB SITE DESIGN

An introduction to the principles of Web Site Design. The syntax and semantics of HTML is covered. Multimedia elements will also be introduced.

Credits: 3 cr.

CIS 3304 - ADVANCED WEB DESIGN

This course introduces modern techniques in advanced web design. Topics include advanced CSS and XHTML, JavaScript, AJAX, DOM, advanced graphic elements for web design, and using forms to acquire input. Other advanced topics may be discussed, including Rich Internet Applications and server-side development.

Prerequisites & Notes: Take CIS-3303; and CIS-1115 or CIS-1102 or CIS-1109

Credits: 3

CIS 3305 - COMPUTER SECURITY AND ETHICS

This course addresses issues related to computer security and ethics. Students are expected to develop basic understanding of important concepts and theories in these areas and be able to apply them in the real world. Major topics include: theories of ethical decision-making, information privacy, professional and ethical responsibilities, microcomputer security, network and telecommunications security, and encryption techniques.

Credits: 3cr.

CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II

A second course in business programming stressing data processing and advanced programming techniques.

Prerequisites & Notes: Prerequisite: CIS 1115

Credits: 3 cr.

- ## CIS 3308 - OPERATIONS RESEARCH

The development and use of the techniques of operations research. Topics include linear programming, queuing theory, probabilistic inventory models and simulation.

Prerequisites & Notes: Take CIS 2203 or 3315; MA 1125 or 3314; MA 1129, 3260 or 3280; MA 1170 or 2231.

Credits: 3 cr.

- ## CIS 3309 - MANAGEMENT INFORMATION SYSTEMS

This is an introductory course to computer-based information systems (CBIS) with emphasis on information processing systems as a tool for management of organizations. This course requires that students learn to use software and hardware to facilitate managerial decision-making, planning, and control.

Prerequisites & Notes: CIS 1115 or CIS 2203.

Credits: 3 cr.

- ## CIS 3311 - SOFTWARE ENGINEERING

This is an introductory course which covers the application of engineering principles to the building of computer software. It provides a general overview to the field of Software Engineering. Topics may include theories, tools, and methods for the systematic representation, design, implementation, verification, validation, management, and maintenance of computer software systems.

Prerequisites & Notes: CIS 3315.

Credits: 3 cr.

- ## CIS 3315 - DATA STRUCTURES

Introduces fundamental data structures such as arrays, linked lists, stacks, queues, trees, and graphs. Other more advanced topics may include recursion, sorting and hashing.

Prerequisites & Notes: CIS 1115.

Co-Requisites: CIS 3315L.

Credits: 4 cr.

- ## CIS 3315L - DATA STRUCTURES LAB

Guided programming exercises in support of concepts taught in CIS 3315.

Prerequisites & Notes: CIS 1115.

Co-Requisites: CIS 3315.

Credits: 0 cr.

CIS 3320 - COMPUTER ARCHITECTURE

Classification of computers. Defining hardware and software interfaces within a computer system. Special purpose architectures.

Prerequisites & Notes: CIS 3330.

Credits: 3 cr.

CIS 3325 - OPERATING SYSTEMS

Functions and characteristics of an operating system: concurrent processes, system nucleus, memory management, input and output, filing system, resource allocation and scheduling, system protection and reliability, and job control.

Prerequisites & Notes: CIS 3315 and CIS 3330.

Credits: 3 cr.

CIS 3330 - COMPUTER ORGANIZATION

Overview of computer hardware, computer structure, machine representation of information, instruction codes, addressing, concepts of digital logic, microprogramming and assembly language programming.

Prerequisites & Notes: CIS 1115.

Credits: 3 cr.

CIS 3340 - DATABASE SYSTEMS

First course in the theory and use of database management systems. Provides experience in the creation of an actual database system and the manipulation of the data in it.

Prerequisites & Notes: CIS 3309 or CIS 3315.

Credits: 3 cr.

- ## CIS 3350 - ANALYSIS OF ALGORITHMS

An introduction to the study of the theory and design of algorithms. Topics may include analysis of Abstract Data Types (ADTs), NP-Completeness, study of various graph algorithms, searching and sorting algorithms, and a look at algorithm design techniques such as greedy algorithms, divide and conquer, dynamic programming, and branch-and-bound.

Prerequisites & Notes: CIS 3315.

Credits: 3 cr.

- ## CIS 3360 - MOBILE APPLICATIONS DEVELOPMENT

This course explores the trends, designs and deployment issues of mobile application development, covers mobile platforms, mobile browsers, mobile devices, mobile computing and interface designs, emphasizes the process of creating mobile applications, and identifies the main technologies used in the realm of mobile application development.

Prerequisites & Notes: Take CIS-1115

Credits: 3cr

- ## CIS 3370 - BUSINESS INTELLIGENCE

This course provides an understanding of data organization and examines the Business Intelligence (BI) processes and techniques used in transforming data to information and knowledge. The course introduces concepts and terminology, various kinds of applications, how to build and use the BI and analytics infrastructure, and different data access and analysis tools.

Prerequisites & Notes: Take CIS-3309

Credits: 3cr

- ## CIS 3390 - NETWORKING 1

Introduction to the underlying principles of networking. Concepts of network protocols and network applications are covered. TCP/IP principles will be taught.

Prerequisites & Notes: CIS 3315.

Credits: 3 cr.

- ## CIS 3397 - CIS PRACTICUM

The CIS practicum gives students the opportunity to apply knowledge and skills in computer and Information Science while working with a private or public agency. This practical experience augments the skills learned in the classroom. Permission of advisor required.

Prerequisites & Notes: 60 earned credits and permission of advisor.

Credits: 1 - 5 cr.

CIS 4309 - E-COMMERCE SYSTEMS

This course provides tools, skills, and an understanding of technology, business concepts and issues that surround the emergence of electronic commerce. The student develops an understanding of the current practices and opportunities in electronic publishing, electronic shopping, electronic distribution, and electronic collaboration. The student also explores several of the problem areas in electronic commerce.

Prerequisites & Notes: CIS 3303 or CIS 3309 or CIS 3340.

Credits: 3 cr.

CIS 4400 - CIS SENIOR SEMINAR

Capstone course giving students an opportunity to explore current research and areas of interest in computing and information systems. Topics may vary.

Credits: 1 cr.

CIS 4410 - MIS SEMINAR

A seminar on current topics in computer-based information systems (CBIS), which examines state-of-the-art issues associated with the design, development, implementation, control and management of computer-based information systems.

Prerequisites & Notes: CIS 3309 or permission of instructor.

Credits: 3 cr.

CIS 4420 - SPECIAL PROBLEMS IN COMPUTER APPLICATIONS

Study of a specialized topic. Possible topics include Computer Aided Design, Data Base Systems, Telecommunications, Advanced Business Programming.

Credits: 1 - 3 cr.

CIS 4440 - ARTIFICIAL INTELLIGENCE

The application of computers to solve problems and to understand the principles of human intelligence including search, reasoning, and problem reduction. Applications to games, expert systems, natural language, learning, robotics, and computer vision.

Prerequisites & Notes: CIS 3315.

Credits: 3 cr.

CIS 4450 - ORGANIZATIONAL INTERNSHIP

Supervised and evaluated participation in the regular activities of a business, government, agency, or appropriate organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the field experience.

Credits: 6 - 12 cr. Notes: May be taken for 1 through 12 credits. No more than 6 credits count toward the major.

- ## CIS 4460 - SYSTEMS ANALYSIS AND DESIGN

This course provides an introduction to Systems Analysis and Design. Topics include: the systems development life cycle; organization, data, and process modeling; structured and object-oriented analysis and design. Students will also learn about input and output design, database design, usability issues, human-computer interaction, quality assurance and implementation.

Prerequisites & Notes: CIS 3306 and CIS 3340

Credits: 3cr

- ## CIS 4470 - SYSTEM IMPLEMENTATION & PROJECT MANAGEMENT

This course will provide an opportunity for students to combine and apply knowledge from prior classes to implement a project. It also describes the problems of managing and implementing a project within an organization for the purpose of achieving a specific objective. It will broadly cover the operational and conceptual issue faced by modern project managers.

Prerequisites & Notes: Prerequisite:CIS 4460

Credits: 3cr.

- ## CIS 4490 - NETWORKING II

Second course in data and computer communications. Communication principles, computer requirements, networking, standards, and future trends and issues will be examined.

Prerequisites & Notes: CIS 3390 and CIS 3330.

Credits: 3 cr.

- ## CIS 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

- ## CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE

An introduction to the field of criminal justice, its major components, roles and functions. Emphasis is placed upon concepts of law and the historical descriptive analysis of the police, courts, and corrections.

Credits: 3 cr.

- ## CJA 2200 - SURVEY OF POLICING

Introduction to law enforcement problems and practices; its legal, political, and historical framework. An analysis of police organizations and their relationship with other criminal justice and social agencies.

Credits: 3 cr.

- ## CJA 2201 - SURVEY OF CORRECTIONS

Origin and history of incarceration practices and procedures; associated organizational, criminological and penological concepts; categories of inmates and laws affecting classification; special custody problems and treatment programs, staff organization; professional, administrative and custodial personnel training, recruitment and promotions; interagency relationships and cooperation; release programs, furloughs, work-release, and final discharge.

Credits: 3 cr.

- ## CJA 2220 - CRIMINAL JUSTICE RESEARCH METHODS AND STATISTICS

An introduction to research methodology with particular emphasis place on criminal justice issues. Examines research theory, its major components, statistics, and its application to various criminal justice agencies in the areas of police, courts, and corrections.

Prerequisites & Notes: Take CJA 1100.

Credits: 3cr.

- ## CJA 2225 - INTRODUCTION TO CRIMINOLOGY

Provides and understanding of the discipline of criminology through an examination of its theories, basic assumptions, and definitions.

Prerequisites & Notes: CJA 1100.

Credits: 3 cr.

- ## CJA 2350 - VICTIMOLOGY

This course explores the field of victimology along with the development and scope of the victim's movement. Attention is also given to issues associated with violent crime victimization, the victim-offender relationship, and ways in which various criminal justice personnel can serve the interests of crime victims.

Prerequisites & Notes: Take: CJA 1100, CJA 2200, and CJA 2201.

Credits: 3 cr.

- ## CJA 2400 - CRIMES OF THE CENTURY

An examination of select iconic crimes occurring over the last 100 years. Emphasis will be placed on cases that have redefined historical eras and culture, generated wide publicity and opinion about crime, and influenced the social, political, and legal landscape of America.

Prerequisites & Notes: Take: CJA 1100, CJA 2200, and CJA 2201.

Credits: 3cr.

- ## CJA 3262 - CRIMINAL INTERVIEWING AND INTERROGATION

An advanced approach to understanding criminal interviews and interrogations. Special attention will be given to such topics as verbal and non-verbal deception, interview/interrogation structure, and techniques used to obtain confessions.

Prerequisites & Notes: CJA 1100, CJA 2200, and CJA 2201 or SCI 1104.

Credits: 3 cr.

- ## CJA 3354 - CRIMINAL LAW

This course is designed to give students an understanding of the origins and purposes of criminal law, the constitutional limitations on criminal law, and the general principles of criminal liability and defenses to criminal liability. The definitions and various elements of crimes of most frequent concern will also be examined.

Prerequisites & Notes: Take CJA 1100, 2200, & 2201.

Credits: 3 cr.

- ## CJA 3355 - CONSTITUTIONAL CRIMINAL PROCEDURE

The theme of this course is centered on balancing the values which are central to our constitutional democracy; community security and individual liberty. The Constitutional basis for the law of criminal procedure will be explored by reading and discussing Supreme Court decisions regarding Due Process, Equal Protection, arrest, search and seizure.

Prerequisites & Notes: CJA 1100, CJA 2200 and CJA 2201.

Credits: 3 cr.

- ## CJA 3357 - CORRECTIONAL STRATEGIES

Offender classification; special offender groups, treatment, custody, recidivism, and strategies designed to change offender conduct.

Prerequisites & Notes: Take CJA 1100, 2200, & 2201.

Credits: 3 cr.

- ## CJA 3365 - CRIMINAL JUSTICE POLICY

This course assesses past and current prevention strategies used in the criminal justice system.

Special importance will be placed on theoretical underpinnings of crime and prevention strategies, research methodology and evaluation, and program effectiveness.

Prerequisites & Notes: Take CJA 1100, CJA 2200, CJA 2201, & CJA 2225.

Credits: 3cr.

- ## CJA 3380 - VIOLENT CRIMINAL BEHAVIOR

Introduces the leading theories and research on violent criminal behavior. Emphasis is placed on the relationship between the violent offender and the victim of the offender. Attention is given to predicting dangerous offenders while examining the specific crimes of murder, sexual assault, robbery, and aggravated assault.

Prerequisites & Notes: Take CJA 1100 and CJA 2225.

Credits: 3cr.

- ## CJA 3385 - COMPARATIVE CRIMINAL JUSTICE SYSTEMS

Course provides a comparative analysis of various criminal justice systems throughout the world. The course will focus on understanding the origin and operation of foreign criminal justice systems, while specifically identifying similarities and differences with the criminal justice system in the United States.

Prerequisites & Notes: Take CJA 1100, 2200 & 2201.

Credits: 3cr.

- ## CJA 3395 - DELINQUENCY AND THE JUVENILE JUSTICE SYSTEM

An examination of the delinquency problem and its causes, potential prevention strategies, and rehabilitation programs. The course will also examine the legal rights of the juvenile offender and the evolution of those rights from a constitutional perspective.

Prerequisites & Notes: CJA 1100, CJA 2200 and CJA 2201.

Credits: 3 cr.

- ## CJA 3400 - CONTEMPORARY ISSUES IN CRIMINAL JUSTICE

An examination of the nature and extent of crime in modern society. Emphasis will be placed on contemporary criminal justice issues selected from, but not limited to, terrorism, organized crime, white collar crime, victimless crime, corruption, human trafficking, and serial murder.

Prerequisites & Notes: Take: CJA 1100, CJA 2200, CJA 2201.

Credits: 3cr.

- ## CJA 4300 - WHITE COLLAR CRIME

This course explores the evolution, nature and extent of white-collar crime along with how it is investigated, prosecuted and punished. Particular emphasis is placed on discussing specific types of white collar crimes, financial and victimization costs, and criminal justice and societal responses to white collar crime.

Prerequisites & Notes: Take: CJA 1100, CJA 2200, CJA 2201, and CJA 2225.

Credits: 3cr.

- ## CJA 4305 - TERRORISM

This course examines the history of terrorism, the meaning of the term, specific examples of the topic, and terrorist groups active in the world today. The purpose of the course is to give students a broad overview of terrorism, as this subject relates to criminology and criminal justice. The student is encouraged to think of terrorism as a topic of study that is part of the criminal justice world, and also as a subject that is unique to itself.

Prerequisites & Notes: Take: CJA 1100, CJA 2200, CJA 2201, CJA 2220.

Credits: 3cr.

- ## CJA 4350 - ORGANIZED CRIME

This course provides an overview of organized crime, both in the United States and transnationally. Focus is placed on the evolution and nature of organized crime, application of criminological theory to the understanding of organized crime, examination of multiple organized crime groups, along with legislative and law enforcement approaches used to curtail the organized crime phenomenon.

Prerequisites & Notes: Take CJA 1100, CJA 2200, CJA 2201, & CJA 2225.

Credits: 3 cr.

- ## CJA 4425 - CRIMINAL JUSTICE ETHICS

Explores a variety of ethical and moral issues, in practice and theory, relating to the field of criminal justice and criminology. Attention will be placed on the specific problems and diverse perspectives associated with the operation and implementation of justice.

Prerequisites & Notes: CJA 1100, CJA 2200,CJA 2201 & CJA 2225.

Credits: 3 cr.

- ## CJA 4450 - INTERNSHIP

An opportunity for upper division students to synthesize academic coursework within a professional criminal justice environment in their chosen area of concentration. The goal of the internship is to offer the student an opportunity to explore a particular field of interest and determine if there is enough interest to pursue if after graduation.

Prerequisites & Notes: CJA 1100, CJA 2200, CJA 2201; at least 15 total credits in CJA; at least junior standing or 90 credits and approval of department faculty.

Credits: 6 - 12 cr. Notes: May be taken for 6 through 12 credits.

- ## CJA 4453 - POLICE ORGANIZATION AND ADMINISTRATION

Organizational theory, budgeting, personnel management planning, information management theory, civil service, unions, management prerogatives, supervision, executive development, manpower distribution schemes, and policy development and execution as applied in both small and large law enforcement agencies.

Prerequisites & Notes: CJA 1100 and CJA 2200.

Credits: 3 cr.

- ## CJA 4475 - SERIAL MURDER

A broad overview of serial, spree and mass murder in the U.S. during the 20th century. Examines the myths and social construction of serial murder, FBI involvement, crime scene analysis, the organized and disorganized offender, and crime scene, history of serial murder in the U.S., construction of profiling, and behavior typology, and also examines offender typology (gender, race and team serial killers).

Prerequisites & Notes: Take CJA 1100, 2200, & 2201.

Credits: 3 cr.

- ## CJA 4490 - SENIOR SEMINAR

This is a capstone course designed to: 1) help seniors integrate the knowledge gained from their other criminal justice courses; 2) assist them in developing analytical thinking skills through focusing on several selected topics; and 3) to instill confidence that they have acquired a core body of knowledge that will assist them when they enter a criminal justice agency or graduate school.

Credits: 3 cr.

- ## CJA 4496 - SELECTED TOPICS

A thorough investigation of a selected topic, particular problem or case study in criminal justice.

Prerequisites & Notes: Take CJA 1100, 2200, & 2201.

Credits: 3 cr.

- **CJA 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

- **CJA 4505 - SERIAL MURDER CASE STUDY**

The course will introduce the student to the world and mind of the serial killer through an in-depth examination of a case study of one such offender, namely Jack the Ripper. The student will examine the typology of serial murder from the perspective of the crime and the offender, and from the world of the investigative criminal justice practitioner. The student will explore this case based on social factors, victimology, law enforcement, forensic science, and the media.

Prerequisites & Notes: Take: CJA 1100, CJA 2200, CJA 2201.

Credits: 3cr.

- **COM 1101 - ORAL COMMUNICATION**

Objectives are to help the student to formulate his/her own ideas coherently, evaluate factual material, and use sound reasoning patterns in his/her preparation and attempts to communicate concepts orally; to determine and select the most effective means of expression in formal and informal speaking situations. Required of all Mansfield students.

Credits: 3 cr.

- **COM 1102 - EFFECTIVE PUBLIC SPEAKING**

Introduces students to the principles of effective communication, with a specific focus on public speaking. Course topic includes audience analysis, organizational structure, the use of supplementary visual and auditory aids, components of different types of speeches, and delivery elements. Students will develop public speaking skills through activities, collaborative learning, peer critiques, and analysis of public speeches and other messages.

Credits: 3 cr.

- **COM 1103 - SPEAKING EFFECTIVELY IN GROUPS**

Introduces students to principles of effective communication with a specific focus on speaking formally and informally in groups. Course topics include the basics of communication, developing effective speaking skills in a group context, group dynamics, teamwork, and problem-solving. Students will participate in various types of group presentations and engage in analytical message critique. This course enables students to work more effectively in groups, develop teams, lead, and make effective group and individual presentations.

Credits: 3 cr.

- ## COM 2201 - INTRODUCTION TO MASS MEDIA

Studies the application of modern mass media, its origin, history, theory, principles, and philosophy to the areas of entertainment, instruction, and audience persuasion.

Credits: 3 cr.

- ## COM 2205 - INTERPRETING COMMUNICATION RESEARCH

Interpreting Communication Research examines the methods used to collect human communication research and the skills critical to evaluating and reporting research results. Students will become critical consumers of research and skilled in data collection (e.g. survey construction, interviewing, focus groups, observation, etc.) and analysis through the SPSS program.

Prerequisites & Notes: COM 1101, COM 1102 or COM 1103.

Credits: 3 cr.

- ## COM 2208 - INTRODUCTION TO ELECTRONIC MEDIA

This course examines the history, background, structure, current operations, effects and theories of the various electronic media industries such as television, radio, film, and the internet. This course also introduces electronic media students to basic production equipment, terminology and skills. Media is a foundations course that provides students the tools and knowledge to succeed in more advanced electronic media courses and broaden understanding of the interrelationships between society, culture and electronic media industries.

Credits: 3 cr.

- ## COM 2209 - COMMUNICATION IN THE DIGITAL AGE

This course is designed to examine the impact of new media and information technology on our daily lives, going beyond technical and how-to issues to examine how new media affects our communication practices with others.

Credits: 3cr.

- ## COM 2210 - INTRODUCTION TO PUBLIC RELATIONS

Study of public relations and its role as a management function that develops relationships between organizations and their publics. Principles, theories, and practice of public relations will be examined. Ethical considerations and social media impact are considered.

Credits: 3 cr.

- ## COM 2211 - PRINCIPLES OF ADVERTISING

This course will offer a broad overview of advertising background issues and functions. The course will explore the historical, social, cultural, legal, and economic influences on advertising. The course will also cover the basic principles and practices of the advertising industry. Students will be introduced to the creative/media strategy decision processes.

Credits: 3 cr.

COM 2214 - SPORTS AND THE MEDIA

This is an introductory course designed to study the relationships of the sports media to the sports industry as well as the opportunities for and responsibilities of sports media professionals who cover it. The historical, ethical, legal, cultural, and economic considerations related to sports and various sports media in the U.S. and around the world will be examined. This course examines the impact sports and the media have had and are continuing to have on each other.

Credits: 3cr.

COM 2220 - ELECTRONIC MEDIA HISTORY

An introduction to the American electronic media systems which examines the history of the media and relates it to current issues in the industries. The course utilizes historical programming examples, examines various electronic media technology, and develops student awareness of the importance of electronic media in our society.

Credits: 3 cr.

COM 2221 - INTERPERSONAL CONFLICT

Conflict and its management are critical issues that pervade all aspects of life. This course will explore the nature and complexities of conflict, influences on conflict and the causes of conflict in relationships (intimate, friendships, and family), in groups, and in the workplace. This course focuses on the skills and strategies in managing conflict more effectively.

Credits: 3cr

COM 2230 - WRITING FOR ELECTRONIC MEDIA

A basic course in the writing techniques used in American electronic media. The course focuses on the development of original ideas for a range of commercial and promotional needs, including an original video series.

Prerequisites & Notes: Prerequisite: COM 2208 or professor permission.

Credits: 3 cr.

COM 2250 - SPECIAL PROJECTS

A project initiated by the student to increase his/her knowledge in an advanced area not offered as a regular class. Intensive study of a subject area under the guidance of a faculty member who has special expertise in that subject.

Credits: 1 - 3 cr.

COM 3270 - AUDIO PRODUCTION

An introductory course in the theory and operation of audio equipment and the creation of various audio presentations. Students write, produce, and perform in a series of individual and group projects.

Credits: 3 cr.

- ## COM 3271 - QUEER TV

Television has had a long history in regard to glbt (gay, lesbian, bisexual and transgendered) images. These images and lack of them have had an impact on how society views these minority sexualities/genders. Working from the theoretical perspectives of social learning, cultivation and queer theories this coursed explores how television has portrayed glbt groups since its inception in the early 1940's and the impact these images have had on society from the creation of media advocacy groups to increased acceptance of these minority groups.

Prerequisites & Notes: Must have 45 earned credits.

Credits: 3 cr.

- ## COM 3272 - FILM and SOCIETY

This is a course on film and its impact on social diversity. Aside from viewing a series of classic and well-known films, students will learn about film language and its proper usage, a film's impact on our society, economy and politics and how all of this relates to the history of film. Through lectures, online discussions and viewing films, students explore various cultures, gender inequality, social dilemmas and the historical impacts within film since 1895.

Prerequisites & Notes: Must have 30 earned credits.

Credits: 3 cr.

- ## COM 3273 - MASS MEDIA AND SOCIETY

Media is an integral part of society by not only reflecting society but sometimes leading it. As media continues to evolve through different delivery methods, industry consolidation, and segmentation of the market, its pervasive impact is felt daily. This course explores the interrelationship of media and society and the impact media is having on society as well as society on media through a study of current media controversies and personal media use.

Credits: 3 cr.

- ## COM 3274 - GAY and LESBIAN FILM IMAGES

Through lecture, film viewing and critiques, this course explores the development and evolution of gay and lesbian images in films from the pre-code silent film days to the present and the cultural context in which they were created.

Credits: 3 cr.

- ## COM 3300 - DIGITAL COMMUNICATION IN PUBLIC RELATIONS

This course is designed to explore digital communication used in field of public relations. The strategies used in this form of

communication will be addressed through the study and application of emerging technologies.

Prerequisites & Notes: COM 2210

Credits: 3cr.

COM 3301 - INTRODUCTION TO VIDEO PRODUCTION

Introductory study of the theoretical and practical aspects of television studio production. Topics include studio cameras, scripting, interviewing, lighting, sound and post-production editing. Students will work in groups on assignments and projects for further exposure with the equipment. Active participation in Mountaineer News will be required.

Prerequisites & Notes: COM 2208 or consent of instructor.

Credits: 3 cr.

COM 3303 - TELEVISION AND RADIO ANNOUNCING

This course will examine the use and development of the human voice as a tool to inform and persuade. The course offers in-depth training in effective communication in a variety of settings employed by the electronic media.

Credits: 3 cr.

COM 3304 - ADVANCED VIDEO PRODUCTION

Advanced study of the theoretical and practical aspects of television field production. Students will be exposed to video field cameras, advanced editing techniques, directing and producing elements to complete an individual or group project by semester's end. Active participation in Mountaineer news will be required.

Prerequisites & Notes: COM 2208 and COM 3301 or professor permission.

Credits: 3 cr.

COM 3306 - NONVERBAL COMMUNICATION

This course covers the importance of nonverbal messages in communication. Attention is given to facial expression, body movement and posture, symbols and other forms of nonverbal expression. Students taking this course will (1) better understand the nonverbal communication they project, (2) learn how to interpret the nonverbals of others around them, (3) recognize the intercultural differences in nonverbal communication, (4) be better able to communicate nonverbally in today's global society, and (5) be able to understand the implications of communicating without nonverbals when using specific communication channels such as email.

Prerequisites & Notes: COM 1101, COM 1102 or COM 1103

Credits: 3 cr.

COM 3309 - SPECIAL TOPICS IN MASS MEDIA

This changing topic course will introduce students to various aspects of Mass Communication study of interest to the profession.

Prerequisites & Notes: 45 earned credits.

Credits: 3 cr.

- ## COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT

This course presents current practices, problems and issues of electronic media sales and management. Lectures, readings and class presentations provide an introduction to the business aspects of electronic media.

Prerequisites & Notes: COM 2201 and 45 earned credits.

Credits: 3 cr.

- ## COM 3311 - ELECTRONIC MEDIA PROGRAMMING

A comprehensive examination of the programming strategies employed in the electronic media industries with an emphasis on radio and television. Special emphasis is placed on program acquisition, scheduling, financing, and the role of first-run and off-network television syndication in addition to satellite cable systems and new electronic media outlets. Lectures, readings and class discussion provide an introduction to the programming aspects of electronic media.

Prerequisites & Notes: COM 2201 and COM 2208.

Credits: 3 cr.

- ## COM 3320 - PUBLIC RELATIONS WRITING

This course will familiarize the student with various forms of public relations writing and enhance their skills in written communication. Students will produce public relations material for both traditional and digital media outlets. Emphasis is placed on message design, strategy, audience analysis, and communication channels.

Prerequisites & Notes: COM 2210.

Credits: 3 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### COM 3322 - CASE STUDIES IN PUBLIC RELATIONS

  This course provides advanced study of public relations through the examination of public relations cases. Students will be exposed to issues, challenges, and opportunities within public relations practice and further develop their skills in these areas.

  Prerequisites & Notes: COM 2210.

  Credits: 3 cr.

- ### COM 3325 - INTERPERSONAL COMMUNICATION

  Interpersonal communication explores the dynamics of communication transactions between individuals in impersonal, personal, and professional relationships. This course will focus on the practical application of communication skills to one's own communication experience and relationships as well as an understanding of a myriad of concepts and principles necessary in successful relationships.

  Credits: 3 cr.

- ### COM 3330 - EFFECTIVE MEETING MANAGEMENT

  Focuses on all aspects of effective meeting management in a variety of settings. Topics include agenda setting, group dynamics, parliamentary procedure, and effective meeting strategies. Students will facilitate, lead, and participate in various meetings as well as analyze effective and ineffective meeting dynamics.

  Credits: 3 cr.

- ### COM 3331 - MEDIA ETHICS

  This course focuses on the conduct of the mass media practitioner and the impact of ethical decision-making on the mass media industry and on society in general. Contemporary problems and issues in media ethics will be examined using case study methods. This course will specifically explore ethical decision-making in the areas of invasion of privacy, truth telling, conflicts of interest, revealing sources, social responsibility, offensive and violent content, media content and juveniles, and stereotyping.

  Prerequisites & Notes: Must have 45 earned credits.

Credits: 3 cr.

- ## COM 3332 - INTERCULTURAL COMMUNICATION

Intercultural Communication examines theory and practice related to communicating across cultures and communicating between members of different cultural groups. This course will focus on improving communication competence with intercultural communication, developing relationships with members of other cultures, and developing an understanding of the global differences among cultures.

Prerequisites & Notes: 30 earned credits.

Credits: 3 cr.

- ## COM 3334 - GENDER AND COMMUNICATION

This course is designed to introduce students to the concepts of gender and how those concepts relate to communication. The course introduces students to important gender communication concepts such as gendered verbal and non-verbal communications, the social shaping of gender, gendered power and violence, sexual harassment, and gendered communication in educational, organizational, media, and relationship settings.

Credits: 3 cr.

- ## COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION

Focuses on a skills-based approach to professional communication in the business environment. Topics include presentations, technology, interviewing, writing, and interpersonal and group communication in a simulated business environment.

Prerequisites & Notes: COM 1101, COM 1102 or COM 1103 and 60 earned credits.

Credits: 3 cr.

- ## COM 3345 - THE DARK SIDE OF INTERPERSONAL COMMUNICATION

The Dark Side of Communication explores the different problems, events, and behaviors that occur in personal relationships such as aggression, bullying, criticism, deception, infidelity, and secret keeping. This course will examine and identify the ways to manage these problems and to communicate productively in family, romantic, friend and workplace relationships.

Credits: 3cr

- ## COM 3360 - ORGANIZATIONAL COMMUNICATION

Examines the process of communication within organizations. Investigates formal and informal communication networks to gain a greater understanding of the vital role that they play within organizational structures and operations.

Prerequisites & Notes: COM 1101, COM 1102 or COM 1103.

Credits: 3 cr.

- ## COM 4400 - COMMUNICATION THEORY

Communication Theory introduces students to theories and related concepts necessary for describing, explaining, and predicting human communication. Students will develop a better understanding of the process of communication (i.e., intrapersonal, interpersonal, small group, culture, gender, organizational, and media effects) and the ways to appropriately evaluate communication theories.

Credits: 3 cr.

- ## COM 4401 - PERSUASION

A study of the psychology of persuasion and its use in a free society, and propaganda and its effect on our daily living. Prepares the student to evaluate persuasive messages, to use persuasion effectively, and to appreciate the ethics of persuasion.

Credits: 3 cr.

- ## COM 4403 - SPEECH WRITING

Practical experience in the techniques of speech writing for speakers and public relations practitioners. Emphasis is placed on actual speech writing situations.

Credits: 3 cr.

- ## COM 4406 - DIGITAL VIDEO EDITING

Instruction in the mechanics and techniques of non-linear video editing ranging from logging and organizing materials to understanding and employing differing types of editing methods. Hands on experience with various editing platforms such as Final Cut pro and AVID.

Prerequisites & Notes: GRA 1101 and COM 3301.

Credits: 3 cr.

- ## COM 4407 - ELECTRONIC MEDIA WORKSHOP

This course emphasizes synthesizing knowledge and skills learned in other electronic media courses requiring students to use advanced techniques taught with a variety of media software. Students will work singularly and in small professional production teams

in the areas of production and programming development, advanced writing of proposals and teleplay, and digital post-production. Students are expected to complete a semester long project utilizing skills and knowledge taught throughout courses in the Electronic Media Program. Active participation in Mountaineer News will be required.

Prerequisites & Notes: COM 2201, COM 2208, COM 3301, and COM 3304.

Credits: 3cr

- ## COM 4410 - INTERNSHIP

Supervised and evaluated participation in varied settings provides practical application of theoretical principles.

Credits: 6 - 12 cr. Notes: May be taken for 6 through 12 credits.

- ## COM 4415 - CONTEMPORARY AMERICAN HUMOR

A critical study of contemporary humor employing a variety of communication theories of analysis and criticism. Areas such as television, film, writing, and stand-up will be examined.

Prerequisites & Notes: COM 1101.

Credits: 3 cr.

- ## COM 4420 - PUBLIC RELATIONS WORKSHOP

An advanced study focused on the planning and execution of a public relations campaign. Working in teams, students research, develop, execute, and evaluate a public relations campaign for a local nonprofit organization. Students engage in a planning process to develop public relations objectives, strategies, and tactics designed to meet the client needs. Implementation of a special event is required.

Prerequisites & Notes: Take COM 2210 and COM 3320.

Credits: 3 cr.

- ## COM 4425 - COMMUNICATION TRAINING AND DEVELOPMENT

Advanced study of the construction, preparation, and delivery of professional presentations and workshops. Designed to familiarize the student with the research, audience analysis, and technology used to present and evaluate professional presentations and workshops.

Prerequisites & Notes: COM 1101, COM 1102 or COM 1103 and 45 earned credits.

Credits: 3 cr.

- ## COM 4435 - GLOBAL MEDIA

Designed to familiarize students with global media systems and issues. Lectures, research projects, and classroom presentation of

global media examples are used to broaden perspectives and international understanding.

Prerequisites & Notes: COM 2201 and Must have 45 earned credits.

Credits: 3 cr.

- ## COM 4440 - COMMUNICATION LAW

Provides a background in communication law as it affects the conduct of the print and electronic media industries. Will study landmark cases and investigate legal industry, and ethical issues which confront communication professionals.

Prerequisites & Notes: COM 2201.

Credits: 3 cr.

- ## COM 4450 - SPECIAL PROJECTS

A project initiated by the student to increase his/her knowledge in an advanced area not offered as a regular class. Intensive study of a subject area under the guidance of a faculty member who has special expertise in that subject.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits, but not to exceed 9 credits total.

- ## COM 4485 - SMALL GROUP COMMUNICATION

Learning how to work effectively in groups. The dynamics of cooperative communication situations and skills associated with interpersonal relations and group goal achievement. Emphasis on presentational speaking, agenda management, problem solving, decision making, conflict and cohesion, project management, leadership, participation theory, listening, verbal and nonverbal choices, planning and conducting meetings. As the capstone for Organizational Commuication, you will focus on all of the program outcomes in this course.

Prerequisites & Notes: Take: COM 1101, COM 1102 or COM 1103.

Credits: 3 cr.

- ## COM 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## ECO 1001 - INTRODUCTION TO ECONOMIC THINKING

This course is an introduction to the essential concepts of Economics and the way economists approach problems. Topics include opportunity

cost, supply, demand, perfect competition, monopoly, Aggregate demand, inflation, fiscal policy, and monetary policy.

Credits: 3cr.

- ## ECO 1101 - PRINCIPLES OF MACROECONOMICS

An introduction to aggregate economics with emphasis on interdependence of sectors of an economy, aggregate concepts, determination of national income and fiscal and monetary policy for stabilization.

Credits: 3 cr.

- ## ECO 1102 - PRINCIPLES OF MICROECONOMICS

Examines the mechanism of the free enterprise system; pricing, production, and employment under various market conditions; functional distribution of income; selected topics in modern theory of general equilibrium and welfare economics.

Credits: 3 cr.

- ## ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS

Examination of some of our crucial economic problems: unemployment, inflation, poverty; also some of the minor issues: right-to-work, national debt, and of several international concerns, e.g., the Common Market.

Prerequisites & Notes: ECO 1101 and ECO 1102 or permission of instructor.

Credits: 3 cr.

- ## ECO 3301 - INTERMEDIATE MACROECONOMIC THEORY

Develops models of the macroeconomy and analyzes the level and distribution of income, theories of unemployment, theories of consumption, theories of the public economy, theories of investment, the role of money, theories of crisis, theories of inflation, and theories of growth from alternative paradigms. A macroscopic view of the economy and the ability to analyze and forecast business conditions are developed.

Prerequisites & Notes: ECO 1101 and ECO 1102.

Credits: 3 cr.

- ## ECO 3302 - INTERMEDIATE MICROECONOMIC THEORY

Introduction to the models and methods of modern microeconomic theory, concentrating on individual and firm decision making and on industry equilibrium; a brief treatment of general equilibrium theory and welfare analysis.

Prerequisites & Notes: ECO 1101 and ECO 1102 or permission of instructor.

Credits: 3 cr.

- ## ECO 3305 - ECONOMETRICS

The orientation of this course is toward the analysis and interpretation of economic data. This course will examine the general linear regression model and its application to economics, including violations of the classical model assumptions.

Credits: 3 cr.

- ## ECO 3310 - BUSINESS AND ECONOMIC FORECASTING

This course is an introduction to the various methods economists and business managers use to forecast economic variables. Topics covered include regression techniques, exponential smoothing, decomposition of time series, moving averages, ARIMA models, and VAR models.

Prerequisites & Notes: ECO 1101, ECO 1102 and MA 1125.

Credits: 3 cr.

- ## ECO 3311 - MONEY AND BANKING

An inquiry into the monetary system of the U.S. Brief examination of historical development; the functioning of monetary policy is considered. Emphasis is on the public/private nature of our banking system.

Prerequisites & Notes: ECO 1101 and ECO 1102.

Credits: 3 cr.

- ## ECO 3315 - PUBLIC FINANCE

Investigates theories of taxation; normative and positive theories of the public economy; various taxes; tax incidence and the distribution of income and wealth; taxes and microeconomic behavior; and the distribution of expenditure benefits. Provides students with an understanding of the functions of taxation and public expenditures in the process of accumulation and legitimization.

Prerequisites & Notes: ECO 1101 and ECO 1102.

Credits: 3 cr.

- ## ECO 3333 - INTERNATIONAL ECONOMIC ISSUES AND POLICY

This course explores why nations trade, the effects of barriers to trade, trade policies of various nations, international agencies and agreements. It also examines the balance of payments, different types of foreign exchange polices, and the IMF.

Prerequisites & Notes: 30 credits completed at registration.

Credits: 3 cr.

- ## ECO 4450 - INTERNSHIP

Designed to allow the student the opportunity to learn in a professional setting. It must involve the application of economic theory and provide an opportunity for work involving the application of academic skills. Consult an academic advisor for departmental internship policies.

Credits: 3 - 12 cr.

- ## ECO 4485 - MANAGERIAL ECONOMICS

A rigorous development and application of microeconomic theory with an emphasis on the tools and techniques most useful to managers in a decision making environment. Topics include demand analysis, production and cost analysis, market structure, pricing strategies, risk analysis, estimation and forecasting.

Prerequisites & Notes: MA 1125 and MA 1170 or permission of instructor.

Credits: 3 cr.

- ## ECO 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

- ## ED 1102 - INTRODUCTION TO EDUCATION

An introduction to professional careers in K-12 education. Students examine teaching responsibilities, certification requirements, career prospects, and attributes of successful teachers. Topics include historical and social foundations of education, schools in a multicultural society, political influences on education, observations in schools, frameworks for teaching, and beginning a professional portfolio.

Credits: 3 cr.

- ## ED 1105 - EDUCATION FIRST YEAR SEMINAR: BECOMING A PROFESSIONAL

This course introduces first year students to the University, teacher education, and their major program. Students will be encouraged to become engaged members of the University learning community and to participate fully in the Mansfield University undergraduate experience.
The course will also prepare students with information and tools for achieving teacher education program and Mansfield University success.

Credits: 1 cr.

- ## ED 1110 - FOUNDATIONS OF EDUCATION

An introduction to professional careers in K-12 education. Students examine teaching responsibilites, certification requirements, career prospects, and attributes of successful teachers. Topics include historical and social foundations of education, schools in a multicultural society, political influences on education, observations in schools, frameworks for teaching, and beginning a professional portfolio.

Credits: 2 cr.

- ## ED 2205 - EDUCATIONAL PSYCHOLOGY

A study of the application of learning theory principles to the educational and institutional setting. Provides demonstrations and field experiences to enhance the applicability of these principles.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- ## ED 2260 - ASSESSMENT IN EDUCATION

Students will study the domains of Educational Objectives and different types of formal and informal assessment techniques to assess young children. Students will also learn how to interpret and utilize multiple assessment results to make educational decisions. Students will develop an authentic assessment related to their area of teaching specialization.

Prerequisites & Notes: ED 1102.

Credits: 3 cr.

- ## ED 2276 - ENGLISH LANGUAGE LEARNERS

This course is designed to prepare pre-service teachers with the skills to provide Linguistically and culturally appropriate instruction, assessment, and learning opportunities for students identified as English Language Learners (ELL). We will examine current trends and issues in Second Language Acquisition (SLA), theoretical notions and research in the study of language acquisition, enculturation, acculturation, and cognitive development.

Prerequisites & Notes: Take SPE 1001. Restricted to Ed majors.

Credits: 3cr.

- ## ED 2606 - FIELD EXPERIENCE

This is a site-based pre-student teaching field experience in a diverse ethnic, language or SES community. Students will participate daily in public school classrooms in their field of study. Based on the site location, students will participate in community projects, interact in learning forums with other pre-service teachers and visit historical and cultural sites and museums.

Prerequisites & Notes: ED 1110 or SPE 1001.

Credits: 1-3

- ## ED 3260 - ASSESSMENT IN EDUCATION

A basic testing and measurements course. Students study the domains of educational objectives, evaluation theory, the application of basic statistics to test data, and principles for selecting and interpreting standardized tests. Students will develop a test related to their area of teaching specialization.

Credits: 3 cr.

- ## ED 3308 - TEACHING FOR MIDDLE-LEVEL LITERACY

This course is designed to prepare pre-service teachers to support literacy among middle-school students, grades 4-8. The course focuses on foundations of literacy, components of reading, types of texts, reading and writing assessment, reading and writing instruction and support strategies, and middle-level literacy research.

Prerequisites & Notes: ED 1110.

Co-Requisites ED 3400.

Credits: 3 cr.

- ## ED 3310 - CONTENT AREA READING AND WRITING

Designed to provide instructional experiences that enable secondary content teaching candidates and special field teacher candidates to develop selected basic knowledge, skills, and attitudes regarding the reading learning process. May be offered in a modular timeframe format.

Prerequisites & Notes: ED 3320.

Credits: 3 cr.

- ## ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS

Designed to prepare the student for the teaching of middle school/junior/senior high school English communication arts. In investigating the present resources of the school, the needs of the learners, and the potential for development in the field of English language study, the student will be preparing to function in either a traditional or experience-based school curriculum.

Credits: 3 cr.

- ## ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY

Designed to prepare preservice teachers to teach science and technology to middle school and high school students. Content in the course includes principles, materials, strategies, and techniques for teaching science and technology.

Credits: 3 cr.

- **ED 3314 - TEACHING SECONDARY MATHEMATICS**

Examines methods of teaching secondary school mathematics in the “Information Age”, the mathematics education reform movement, curricular changes and the standards for school mathematics, instructional methodology, use of materials, and development of skills required of secondary school mathematics teachers.

Credits: 3 cr.

- **ED 3316 - TEACHING SECONDARY SOCIAL STUDIES**

This course provides a thorough background in the methods and materials for the teaching of social studies. Emphasis is placed on self-directed inquiry that focuses on identifying issues, problems, and contexts and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies in a classroom setting.

Prerequisites & Notes: ED 1102 or ED 1110 and must be a teacher education candidate.

Credits: 3 cr.

- **ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES**

Emphasizes methods of teaching language skills, lesson organization, language resources, multimedia applications including computer technology and the history of foreign language teaching.

Credits: 3 cr.

- **ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY**

Provides secondary education students with opportunities to observe and participate in secondary schools prior to student teaching. Topics addressed include effective teaching and classroom discussion techniques, lesson and unit planning, and classroom management and discipline. Students receive supervision and feedback on their classroom performance from classroom teachers and the college instructor. Offered in a modular timeframe format.

Prerequisites & Notes: Co-requisite: ED 3310.

Credits: 3 cr.

- **ED 3324 - TEACHING MIDDLE-LEVEL MATHEMATICS**

This course is designed to prepare pre-service teachers to teach mathematics to middle-school students, grades 4-8. The course focuses on implementation of state- and national-level mathematics teaching standards, assessment of middle-level mathematics understanding, developmentally appropriate mathematics instructional techniques, and research in mathematics education.

Prerequisites & Notes: ED 1110. Completed requirements for Gate One.

Credits: 3 cr.

- ## ED 3326 - TEACHING MIDDLE-LEVEL SOCIAL STUDIES

This course provides a thorough background in the methods and materials for the teaching of social studies in grades 4-8. Emphasis is placed on self-directed inquiry, which focuses on identifying issues, problems, and contexts, and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies of their own in the classroom.

Prerequisites & Notes: ED 1110, ED 2205, GEG 1101, HST 1111, HST 2201 and completion of Gate One requirements.

Credits: 3 cr.

- ## ED 3327 - TEACHING MIDDLE-LEVEL SCIENCE and TECHNOLOGY

This course is designed to prepare pre-service teachers to teach science to middle-school students, grades 4-8. The course focuses on implementation of state- and national-level science teaching standards, safety and welfare, techniques for assessment and instruction, nature of science and technology, socially important issues related to science and technology, and utilization of community resources for science and technology education.

Prerequisites & Notes: ED 1110 and complete Gate One requirements.

Credits: 3 cr.

- ## ED 3400 - SCHOOL EXPERIENCES AT THE MIDDLE LEVEL

A pre-student teaching intensive field experience course, focusing on history and philosophy of middle-level education, teaching at the middle level, understanding of early adolescent development, and professionalism.

Prerequisites & Notes: ED 3324, ED 3327 and 60 earned credits.

Co-Requisite ED 3308.

Credits: 3 cr.

- ## ED 4400 - STUDENT TEACHING

(By arrangement) Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor.

Credits: 12 cr.

- ## ED 4400L - SENIOR LAB: BECOMING A PROFESSIONAL

This lab is designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

Prerequisites & Notes: Co-requisite ED 4400

Credits: 0 cr.

- ## ED 4460 - PROFESSIONAL SEMINAR

Designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; techniques for seeking a professional position; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

Prerequisites & Notes: Prerequisite: Senior standing in teacher education; taken during student teaching semester.

Credits: 2 cr.

- ## ED 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## ELE 1150 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION

An introduction to the teaching of young children, birth through age eight; current issues and practices; historic and future trends; and assessment of one's strengths and interests related to the career opportunities in early childhood education.

Prerequisites & Notes: ED 1102.

Credits: 3 cr.

- ## ELE 1190 - CHILD DEVELOPMENT AND COGNITION I: PRENATAL TO 5 YEARS

This course covers child development, with focus on related cognitive process of children from prenatal age to 5 years old. Candidates will develop knowledge, skills, & competencies in a comprehensive range of developmental topic areas: language, social, moral, and physical areas.
Other topics include the needs of young children and family influences. Candidates will learn developmentally appropriate practices to include educational contexts, assessment, and classroom applications; the use of data-driven research about young children; and identification with young childhood education including professional organizations (PDE, NAEYC, & ACEI).

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- ## ELE 2210 - CHILD DEVELOPMENT AND COGNITION II: 6 - 9 YEARS

This course covers child development, with focus on related cognitive process of children from 6-9 years old. Candidates will develop knowledge, skills, and competencies in a comprehensive range of developmental topics areas: cognitive, language, social, moral, and

physical areas.
Other topics include the needs of young children and family influences. Candidates will learn developmentally appropriate practices to include educational contexts, assessment, and classroom applications; the use of data-driven research about young children; and identification with young childhood education including professional organizations (PDE, NAEYC, and ACEI).

Prerequisites & Notes: ELE 1190.

Credits: 3 cr. Dual Listed/Cross Listed: ELE-5550

- **ELE 2220 - CHILD DEVELOPMENT**

Examines development from conception and infancy, through preschool and middle school, and ends with adolescence. Major developmental theories that focus on the interaction of heredity and the environment are the key components.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- **ELE 2260 - ASSESSMENT IN EDUCATION**

Students will study the domains of Educational Objectives and different types of formal and informal assessment techniques to assess young children. Students will also learn how to interpret and utilize multiple assessment results to make educational decisions. Students will develop an authentic assessment related to their area of teaching specialization.

Prerequisites & Notes: ED 1102

Credits: 3cr.

- **ELE 2800 - EARLY CHILDHOOD INTEGRATED CURRICULUM and METHODS**

Students learn to build on children's experience and knowledge to foster development of skills in language, communication, observation, investigation, inquiry, collaboration, citizenship, and social interactions, using play, visual and auditory stimulation, and hands-on manipulation of developmentally appropriate resources. Family, linguistic, cultural, and community backgrounds, individual approaches to learning; and informal knowledge will be addressed, as will issues of self-control and self-esteem. Students learn to introduce content in language arts, mathematics, social studies, science, physical health, music, integrated arts, and technology to pre-school children.

Prerequisites & Notes: ED 1110.

Credits: 3 cr.

- **ELE 3263 - PRESCHOOL CURRICULUM AGES 3 - 5**

Addresses aspects of a quality preschool program. Topics this course examines include: theoretical foundations of teaching and learning, children ages 3 - 5; preschool curriculum models; key components of a preschool program; an integrated curriculum to foster children's development; and adapting curricula for children in inclusive preschool settings. This course will require observations and participation in a preschool setting.

Credits: 3 cr.

- ## ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY

Provides juniors with the following observation, participation and professional guidance experiences: observation of an elementary classroom; orientation to policies and practices of an elementary school; opportunity to observe the in-service teacher in the performance of his/her duties; introduction to administrative duties of an elementary classroom; the privilege of working with individual children, small groups of children and an entire classroom under supervision; and the opportunity to receive feedback on performance from the cooperating teacher and the college supervisor.

Credits: 3 cr.

- ## ELE 3362 - EMERGING LITERACY

Theoretical foundations and the components of a developmentally appropriate literacy program for children ages 4-8 are introduced. Topics include: teaching and assessment strategies, instructional resources, classroom management, grouping for instruction, and involving parents.

Credits: 3 cr.

- ## ELE 3383 - LITERACY METHODS I: PRE-K-1

Developmentally appropriate literacy instruction for the preschool and early grades featuring the following: foundation in research and theory; word-level instructional strategies; text-level comprehension strategies; reading-writing connections; instructional approaches and materials; and assessment.

Prerequisites & Notes: ELE 2800.

Credits: 3 cr.

- ## ELE 3384 - TEACHING ELEMENTARY MATHEMATICS

Methods of teaching mathematics in the “Information Age”, the reform movements curricular changes and emphasis, instructional methodology and use of materials, and development of mathematics skills required of elementary school teachers are examined.

Credits: 3 cr.

- ## ELE 3386 - SOCIAL STUDIES METHODS FOR THE DEVELOPING CHILD

Students learn the scope and sequence of the social studies that encompass the seven disciplines of history, geography, political science, economics, sociology, psychology, and anthropology and align with the ten NCSS thematic strands. They incorporate developmentally appropriate multicultural social studies content, integrative cross-curricular models, research-based instructional methods employing current technologies to plan lessons and as social studies unit for children in Pre-K to grade 4 settings.

Prerequisites & Notes: ELE 2800.

Credits: 3 cr.

- ## ELE 3387 - SCIENCE AND TECHNOLOGY METHODS

Develops techniques for fostering understanding of the nature of science and strengthening the habit of conducting first-hand scientific inquiry into the natural world. Emphasis is placed on developmentally appropriate techniques for bridging early conceptions of the natural world to scientific conceptions, along with implementation of state and national science/technology standards.

Prerequisites & Notes: ELE 2800.

Credits: 3 cr.

- ## ELE 3388 - MATHEMATICS METHODS I: GRADES PRE K-1

Planning, implementing, and assessment of developmentally appropriate mathematics instruction in preschool through first grade. Emphasis on materials, activities, manipulatives, learning centers, games, children's literature, and technologies to build emergent conceptual mathematical understandings.

Prerequisites & Notes: ELE 2800.

Credits: 3 cr.

- ## ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES

Addresses "at-risk" factors in children and the classroom techniques that teachers may use to address students' behavioral, social, and emotional needs. Topics examined in the course include classroom management and discipline, students' social relationships, students' emotional well being, and gender issues in teaching. Teachers will learn to identify students who are victims of physical abuse and to make appropriate professional referrals.

Credits: 3 cr.

- ## ELE 3395 - INTEGRATING THE ARTS FOR THE DEVELOPING CHILD

Examines the nature of creativity and varied uses of creativity and the arts in elementary lesson planning, teaching, and curriculum development; areas of study include art, music, drama, storytelling, movement and dance, poetry, and children's literature; emphasis is placed upon the uses of creativity and the arts by classroom teachers to enhance their teaching across the curriculum.

Prerequisites & Notes: ELE 2800.

Credits: 3 cr.

- ## ELE 3400 - SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL

This course provides a pre-student teaching extended field experience in Pre-K through fourth grade education. Field experiences will be marked by attention to candidate reflection, continuous learning, research-validated and ethical practices, advocacy for children,

knowledge and understanding of diversity, collaboration with others, adapting instruction to individual student learning differences, and commitment to professional standards and growth. This field experience course should be scheduled as close to student teaching as possible and after students have completed a significant number of education methods courses.

Prerequisites & Notes: Take ELE-2800 and earned 60 credits.

Credits: 3 cr.

- ## ELE 4400 - STUDENT TEACHING

(By arrangement) Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor.

Credits: 12 cr.

- ## ELE 4400L - (W)SENIOR LAB: BECOMING A PROFESSIONAL

This lab is designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

Prerequisites & Notes: Co-requisites: Take ELE-4400

Pre-requisites: Students are registered for this lab by the Field Experience Office, only after approval of the Student Teaching Application. Therefore, no student would be admitted to student teaching without the rest of the education program.

Credits: 0 cr.

- ## ELE 4403 - (W)LANGUAGE ARTS METHODS FOR THE DEVELOPING CHILD

Language arts instruction in Pre-K-4 early childhood and elementary education. Featured topics include language arts theory and research; instructional techniques for developing listening, speaking, reading, writing, visual representations, and viewing; spelling, handwriting, grammar, and word study; comprehension. Particular emphasis is placed on writing instruction.

Prerequisites & Notes: ELE 3383.

Credits: 3 cr.

- ## ELE 4405 - EARLY SCHOOL CURRICULUM AGES 6-8

Addresses aspects of a quality early school program (K-3rd grade). Topics examined in this course include: theoretical foundations of teaching and learning with children, age 6-8; perspectives that inform curriculum planning; components of an early grade program; an integrated curriculum; and adapting curricula for children in inclusive settings. Students will team-teach with classmates in an early grade in a local school.

Prerequisites & Notes: ELE 1150 and ELE 3263.

Credits: 3 cr.

- ## ELE 4425 - LITERACY METHODS II: GRADES 2-4 LITERATURE II

Builds on literacy and language models and teaching methods from ELE 3383, with an emphasis on differentiating instruction based on formal and informal reading assessments. Approaches to designing data-driven interventions for individuals and research-based classroom literacy methods are explored.

Prerequisites & Notes: ELE 3383.

Credits: 3 cr.

- ## ELE 4426 - MATHEMATICS METHODS II: GRADES 2-4

Elementary mathematics instruction in grades two, three, and four. Featured topics include problem solving, teaching for conceptual understanding, uses of manipulatives, number and operations, early algebra and geometry, measurement, and data analysis and probability. Knowledge and application of national and state standards for the teaching of mathematics.

Prerequisites & Notes: ELE 3388.

Credits: 3 cr.

- ## ELE 4435 - LITERACY METHODS II

Builds on literacy and language models and teaching methods from ELE 3383, with an emphasis on differentiating instruction based on formal and informal reading assessments. Approaches to designing data-driven interventions for individuals and research-based classroom literacy methods are explored.

Prerequisites & Notes: ELE 3383.

Credits: 3 cr.

- ## ELE 4460 - PROFESSIONAL SEMINAR

Designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; techniques for seeking a professional position; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

Prerequisites & Notes: Prerequisite: Senior standing in teacher education; taken during student teaching semester.

Credits: 2 cr.

- ## ENG 0090 - BASIC WRITING SKILLS

Designed to prepare students to do college-level writing. DOES NOT COUNT TOWARD TOTAL CREDITS NEEDED FOR GRADUATION.

Prerequisites & Notes: Minimum passing grade:C-.

Credits: 3 cr.

- **ENG 1112 - COMPOSITION I**

Intensive reading and writing of expository prose. Analytical and critical thinking and college-level research skills are emphasized.

Prerequisites & Notes: Exemption from ENG 0090 or equivalent transfer course.

Credits: 3 cr.

- **ENG 1115 - INTRODUCTION TO LITERATURE**

Introduction to reading poetry, fiction, drama for understanding and enjoyment.

Credits: 3 cr.

- **ENG 2130 - INTRODUCTION TO LITERARY STUDIES**

An intensive introduction to the discipline of literary studies for current and prospective English majors and minors. Students will become acquainted with literary genres and terms, learn strategies for reading and understanding literature, and develop critical skills for discussing and analyzing literary texts.

Credits: 3cr

- **ENG 2208 - READINGS IN AMERICAN LITERATURE**

An introductory level course for the non-English major to develop interpretive and critical-analytical skills, cultural understanding, and enjoyment of literature through selected readings in American literature.

Credits: 3 cr.

- **ENG 2220 - SPECIAL TOPICS IN LITERATURE**

A study of one of the following topics: African-American Literature, Women's Literature, other Minority Literature, Recent Literature, Film, or Folklore. May be repeated for a total of 9 credits.

Credits: 3 cr.

- **ENG 2222 - SLAVE NARRATIVE**

Students taking this course will read, discuss, and write about a variety of slave narratives from Equiano's 1789 tale to Bok's 2003 narrative. We will discuss the slave narrative as a genre, the authors' motivations for publishing such accounts, and the social and

literary impact of these texts. Students will hone their writing and critical thinking skills as well as develop an historical understanding of U.S. and recent worldwide slavery and slave narratives as we read, discuss, and write about a number of texts. Expect quizzes, in-class writing, informal response papers, and exams. Honors students will also give an oral presentation.

Credits: 3 cr.

- ## ENG 2223 - CIVIL RIGHTS AUTOBIOGRAPHY

ENG 2223 examines the Civil Rights Autobiography as a genre as well as the motivations people have for writing about their experiences during the Civil Rights Movement. It considers the literary, historical, and social concerns of a variety of texts written by Movement leaders and self-described “foot soldiers.” Students will develop critical reading skills and a greater knowledge of an important era of recent American history as they read, write about, and discuss a selection of autobiographies.

Credits: 3cr.

- ## ENG 2225 - ENGLISH GRAMMAR

A systematic description of the rules of modern English grammar, making use of both traditional and contemporary grammatical theories.

Credits: 3 cr.

- ## ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE

A study of the development of the English language from Old English to modern times with special attention to the causes of linguistic change.

Credits: 3 cr.

- ## ENG 2237 - ENVIRONMENTAL LITERATURE AND SUSTAINABILITY

ENG 2237 examines environmental literature from the last 150 years to explore the interaction of humans and nature with a focus on how the texts reveal different approaches to sustainability and to evolving ideas of what terms such as human, animal, nature, culture, and sustainability mean. Starting from the assumption that sustainability is a scientific as well as social issue, the class applies a variety of disciplinary and analytical thinking to the texts, broadens perspectives through class discussion, and hones critical thinking skills through writing assignments.

Credits: 3crs.

- ## ENG 2252 - INTRODUCTION TO POETRY WRITING

Designed to help students develop their voices and styles as poets and to discover and utilize the various poetic devices and forms through writing exercises, reading and discussing poems, discussing one another’s poems in a supportive atmosphere and through revising poems.

Credits: 3 cr. Dual Listed/Cross Listed: ENG 3252.

- **ENG 2254 - INTRODUCTION TO FICTION WRITING**

Designed to help students find their true voice and true concerns as writers while mastering the essentials of the art. Emphasis is on writing exercises and then complete works, but also on becoming better readers. In-depth discussion of student work, the assigned readings, and the process of writing.

Credits: 3 cr. Dual Listed/Cross Listed: ENG 3254.

- **ENG 2268 - SURVEY OF BRITISH LITERATURE**

Survey of Major British literature from Old English through the present.

Prerequisites & Notes: ENG 1112 or ESL 1112.

Credits: 3 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### ENG 2278 - SURVEY OF AMERICAN LITERATURE

  Survey of American writers from the 17th century to present.

  Prerequisites & Notes: ENG 1112 or ESL 1112.

- ### ENG 2299 - MONSTERS IN LITERATURE AND FILM

  This course focuses on analyzing and understanding the significance of monsters in mythology, literature, and film using a variety of critical approaches.

  Credits: 3 cr.

- ### ENG 3252 - ADVANCED POETRY WRITING

  Students further develop their skills as poets by studying contemporary poetry by a wide diversity of writers and writing their own poems. Emphasis will be on students developing a body of work to be edited into a chapbook. Students will give presentations over a "poet mentor", learn how to evaluate literary markets and how to submit poetry manuscripts for publication, and give a reading of their poems.

  Prerequisites & Notes: ENG 2252.

  Credits: 3 cr. Dual Listed/Cross Listed: ENG 2252.

- **ENG 3254 - ADVANCED FICTION WRITING**

Through writing exercises, reading the work of published writers, and workshopping original manuscripts, students will work on creating a portfolio of short fiction or the first three chapters of a novel. Students will also learn how to market their work.

Prerequisites & Notes: ENG 2254.

Credits: 3 cr.

- **ENG 3305 - COMPARATIVE LITERATURE**

Examines major works in a genre or movement, comparing two or more national literatures.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr. Notes: May be taken for a total of nine credits.

- **ENG 3313 - COMPOSITION II**

Advanced writing and analytical thinking based on texts from across the curriculum. Must be passed with a minimum grade of “C-” before graduation.

Prerequisites & Notes: ENG 1112 and 45 credits earned.

Credits: 3 cr.

- **ENG 3316 - CREATIVE NONFICTION WRITING**

Students will read and analyze published nonfiction, including essays, magazines articles, and electronic media, and experiment with form and subject matter. Genres explored will include memoir, literary journalism, and socio-political commentary. Small group workshops will help students revise and edit their own and each other’s writing while learning a variety of editing skills. The emphasis of the class is on in-depth discussion of student work, the assigned readings, and the process of writing.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- **ENG 3320 - SPECIAL TOPICS IN LITERATURE**

A specialized study of a topic in literature, film, or folklore.

Credits: 3 cr. Notes: May be taken for a total of 9 credits.

- **ENG 3322 - FOOD LITERATURE**

Through a study of contemporary literature about food, this course examines environmental and social sustainability, or the

commitment to use resources without damaging the environment. The course will lead to application of this knowledge to personal food consumption and production.

Prerequisites & Notes: Prerequisites: 30crs.

Credits: 3cr

- **ENG 3324 - COMPOSITION THEORY & PRACTICE**

Analysis of current theories about the writing process and methods of applying these theories, with actual practice in tutoring writing.

Prerequisites & Notes: ENG 1112 and ENG 3313.

Credits: 3 cr.

- **ENG 3326 - WOMEN'S LITERATURE**

A study of literature by and about women in its literary, cultural, and social contexts. May be topical, thematic, or period-based. May include such authors as Austen, Bronte, Chopin, Woolf, Emecheta, Morrison, and Tan.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- **ENG 3327 - AFRICAN AMERICAN LITERATURE**

This course studies a prominent dimension of African-American Literature. Potential topics include specific genres, important time periods, major or minor authors, comparative multicultural contexts. Students hone their critical reading and writing skills in this important and growing area of American literature.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- **ENG 3328 - LGBTQ LITERATURE**

This course focuses on literature by LGBTQ people (lesbian, gay, bisexual, transgender, and queer) and the experiences of LGBTQ people in our society. Representations in film, music, television, and art will also be examined. The emphasis of the course will be on active discussion and close scrutiny of the literature, our society, and ourselves.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- **ENG 3331 - CIVIL RIGHTS NOVEL**

ENG 3331 Civil Rights Novel examines recent American novels that are based on or show the influence of events that occurred during

the U.S. Civil Rights Movement. Students will discuss the literary techniques the authors employ, how the authors choose to portray the events and the people involved, and what can be learned from reading such works. Students will develop critical reading skills and a greater knowledge of a significant era of recent American history as they read, discuss, and write about a selection of Civil rights novels.

Credits: 3cr.

- ## ENG 3332 - NATURE WRITING

Based on reading, observation, and experience, students will write creative non-fiction prose about nature and discuss each other's work. The course will deal with such issues as the importance of place, the role of science in personal responses to nature, the nature of Nature, and the meaning of "nonfiction" in nature writing.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- ## ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS

Designed to refine the writing skills of English majors, with an emphasis on critical analysis and the mechanics of writing. Students will read and write about a literary, rhetorical, or linguistic concept chosen by the instructor (irony in literature, for example) and revise at least one essay from their English portfolio.

Prerequisites & Notes: ENG 2130 and two upper division ENG classes.

Credits: 3 cr.

- ## ENG 3346 - AMERICAN LITERATURE AND CULTURE

A focused study in a period of American literature using representative texts covered in their historical and cultural contexts. Authors may include Douglass, Wharton, Faulkner, and Morrison. Appropriate for both majors and non-majors.

Prerequisites & Notes: ENG-1112

Credits: 3cr

- ## ENG 3347 - BRITISH LITERATURE AND CULTURE

A focused study in a period of British literature using representative texts covered in their historical and cultural contexts. Authors may include Austen, the Romantic poets, and Shakespeare. Appropriate for both majors and non-majors.

Prerequisites & Notes: ENG 1112

Credits: 3 cr

- ## ENG 3348 - WORLD LITERATURE AND CULTURE

A focused study of world literature written in English and/or English translation using representative texts in historical and cultural contexts. Authors may include Achebe, Murakami, and Tagore. Appropriate for both majors and non-majors.

Prerequisites & Notes: ENG-1112

Credits: 3cr

- ## ENG 3352 - SHAKESPEARE

Selected plays of Shakespeare with interpretation, evaluation, and attention to his development as a dramatist and poet.

Prerequisites & Notes: ENG 1112 and one of the following: ENG 1115 or ENG 2130.

Credits: 3 cr.

- ## ENG 3360 - BRITISH LITERATURE SINCE 1900

A study of major British writers since 1900 such as Yeats, Joyce, Woolf, Beckett, Winterson, and Smith. Topics of study include modernism, postmodernism, and post-colonialism.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- ## ENG 3371 - PROFESSIONAL WRITING

This course teaches students to write for various purposes in professional contexts. Particular attention will be paid to issues of audience awareness and style. Students will write texts for various contexts, including, but not limited to, letters, resumes, memos, press releases, reports, analyses, and grants.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- ## ENG 3376 - GENRE IN CONTEXT

A detailed study of a literary or cultural genre, such as poetry, drama, the novel, short fiction, nonfiction prose, or film.

Prerequisites & Notes: ENG 1112 or ESL 1112.

Credits: 3 cr.

- ## ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM

Survey of recent approaches to literature, including formalist, structuralist, post-structuralist, reader-response, psychoanalytic, feminist, marxist, new historical, and/or post-colonial literary criticism.

Prerequisites & Notes: ENG 1112 and ENG 2130.

Credits: 3 cr.

- ## ENG 3385 - AUTHOR IN CONTEXT

A detailed study of an influential author (or pair of authors), such as Brontë, Chaucer, Dante, Dickens, Faulkner, Milton, Morrison, Murakami, and/or Woolf.

Prerequisites & Notes: ENG 1112

Credits: 3 cr.

- ## ENG 3386 - READINGS IN YOUNG ADULT LITERATURE

This course focuses on analyzing literature written for the young adult audience, with a focus on the characteristics of the genre, emerging themes, and contemporary trends.

Credits: 3cr.

- ## ENG 3389 - GRAPHIC NOVEL

This course focuses on analyzing and creating graphic literature, also referred to as “comics”. Potential topics include specific genres, important time periods, major or minor authors, and comparative multicultural contexts. Students hone their critical reading skills as well as their creative skills in this important and growing area of literature.

Credits: 3 cr.

- ## ENG 3400 - COPY EDITING

This professional writing course focuses on copy editing skills and application of editorial style in a variety of contexts, including print and electronic media.

Prerequisites & Notes: Eng-1112 or ESL-1112

Credits: 3cr

- ## ENG 3404 - WRITING FOR THE WEB AND SOCIAL MEDIA

This professional writing course teaches students to analyze, create, and curate content for the Web and major social media platforms.

Prerequisites & Notes: ENG-1112 or ESL-1112

Credits: 3cr

- **ENG 4401 - SEMINAR IN LITERARY STUDIES**

A sustained, in-depth study of literature which draws on the expertise developed in previous English courses. Topics will vary. Students will complete a seminar-length researched paper/project, culminating in the public presentation of that work.

Prerequisites & Notes: ENG 1112 and 75 earned credits.

Credits: 3 cr.

- **ENG 4416 - NOVEL WRITING**

Students will read and discuss published novels and work on writing their own, critiquing and discussing one another's work. Includes the first 3 chapters and a synopsis of the novel.

Prerequisites & Notes: ENG 3312 or permission of instructor.

Credits: 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **ENG 4449 - ENGLISH PRACTICUM**

Offers practical work experience and the opportunity to apply and further develop skills such as writing and editing in a variety of professional settings. May be taken for one through five credits. No more than six credits count towards the major. Prerequisite: Permission of the department chair and supervising faculty member.

Prerequisites & Notes: Prerequisite: Permission of the department chair and supervising faculty member.

Variable Credits: 1-5cr.

- **ENG 4495 - ENGLISH INTERNSHIP**

Offers practical work experience and the opportunity to apply and further develop skills such as writing and editing in a variety of professional settings. May be taken for six through twelve credits. No more than six credits count toward the major.

Prerequisites & Notes: Prerequisite: Permission of the department chairperson and supervising faculty member.

Variable Credits: 6-12 cr.

- **ENG 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr.

- **ES 3300 - HUMANS IN NATURE**

Students explore the relationship between people and the natural world emphasizing modes of analysis drawn from social science, humanities, and art disciplines. The course focuses on the interdisciplinary understanding of selected issues.

Prerequisites & Notes: GEG 1122 and one of the following: BSC 1103, CHM 1103 or GEL 1102.

Credits: 3 cr.

- ## ES 4497 - INDEPENDENT STUDY

Working with an advisor in their emphasis (or for minors, outside the area of their majors), students produce interdisciplinary projects involving the relationship between people and nature. Projects will incorporate analyzing quantitative and qualitative data in order to monitor, assess, and make decisions about an environmental issue. Projects will be presented in some form to an audience from multiple fields. Skills and approaches from more than one discipline will be employed in problem-solving.

Prerequisites & Notes: Completion of 18 hours toward the Environmental Studies major or minor.

Credits: 3 cr.

- ## ESL 1105 - INTENSIVE ENGLISH FOR NON-NATIVE SPKR I

Designed to improve the writing, reading, speaking, and listening skills of intermediate level non-native speakers of English in preparation for regular degree program academic work. Credits count towards the total needed for graduation.

Credits: 3cr

- ## ESL 1106 - INTENSIVE ENGLISH FOR NON-NATIVE SPKR II

Designed to improve the writing, reading, speaking, and listening skills of intermediate level non-native speakers of English in preparation for regular degree program academic work. Credits count towards the total needed for graduation.

Prerequisites & Notes: ESL 1105

Credits: 3cr

- **ESL 1110 - INTERMEDIATE WRITING AND CULTURE FOR NON-NATIVE SPEAKERS**

The purpose of ESL 1110 *Writing and Culture for Nonnative Speakers* is to further develop basic sentence and paragraph structure while introducing the skills necessary to writing clear essays in a culturally contextualized manner. It introduces high intermediate academic writing skills, helping to develop foundational sentence structure and paragraph construction, while introducing and analyzing American cultural values and norms. Students progress from writing single paragraphs to a standard essay with a constant emphasis on basic grammar and reading skills. ESL 1110 highlights the skills needed to write clear expository prose for an academic audience and also addresses language issues common to high intermediate second language writers with the aim of building students' composition and analytical skills and cultural awareness.

Prerequisites & Notes: Professor Permission

Credits: 3cr.

- **ESL 1112 - ESL COMPOSITION**

Composition for advanced level non-native speakers of English. Includes intensive reading and writing of expository prose. Assignments develop analytical and critical thinking skills and college-level research skills, with emphasis on the particular needs of ESL students. Meets ENG 1112 requirement. Students may not apply both ENG 1112 & ESL 1112 towards graduation requirements.

Prerequisites & Notes: ESL 1105 and ESL 1106 or ESL 1110 or permission of instructor. May be taken concurrently with ESL 1145.

Credits: 3 cr.

- **ESL 1145 - ADVANCED ENGLISH**

Designed to improve the writing, reading, speaking, and listening skills of advanced level non-native speakers of English in preparation for academic advancement. Credits count toward the total needed for graduation. Recommended for students who have successfully completed ESL 1112 or who have permission of the instructor.

Prerequisites & Notes: ESL 1112 or permission of instructor.

Credits: 3 cr.

- **ESL 3313 - ESL COMPOSITION II**

Composition for advanced level non-native speakers of English. Includes intensive reading of texts from across the curriculum and analytical and critical thinking and writing, with emphasis on the particular needs of ESL students. Assignments develop analytical and critical thinking. Must be passed with a minimum grade of "C-" before graduation. Meets ENG 3313 requirement. Students may not apply both ENG 3313 & ESL 3313 towards graduation requirements.

Prerequisites & Notes: ESL 1112 or ENG 1112 and 45 earned credits or permission of instructor.

Credits: 3cr

- ## FIN 3301 - INTRODUCTION TO FINANCE

Examines basic concepts and techniques for identifying and solving elementary financial management problems. Topics include compound interest and time value of money, financial statement analysis, working capital management, cash flow analysis and capital budgeting, short-term financing, and stockholder equity valuation.

Prerequisites & Notes: ECO 1101.

Credits: 3 cr.

- ## FIN 3312 - FINANCIAL MARKETS AND INSTITUTIONS

This course is an introduction to the money and capital markets of the United States, with an emphasis on the determination of financial asset value and the management of interest rate risk. Topics include the determination of interest rates, valuation of financial claims, financial markets, futures and options, managing interest rate risk, managing credit risk, asset management and pricing, liability management, and government regulation.

Prerequisites & Notes: ECO 1101 and ECO 1102.

Credits: 3 cr.

- ## FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT

Examines international aspects of finance from the point of view of corporations doing business outside the sovereign boundaries. Includes determination of exchange rates, various types of exposure faced by MNCs, international money and capital markets, export/import financing, currency swaps, international portfolio management, international capital budgeting, and foreign direct investment. Examines the challenges and difficulties faced by MNC146s in doing business in China, India, South America and Eastern Europe.

Prerequisites & Notes: BUS 2249 and ECO 1102.

Credits: 3 cr.

- ## FIN 3380 - MANAGERIAL FINANCE

This course introduces the investment and financing decision of corporations. Topics covered include valuation of stocks and bonds, time value of money, financial ratios, risk and expected return, capital investment analysis, corporate financing and dividend policy. Some fundamental aspects of international finance are presented. The course will also cover some current issues related to ethics in finance.

Prerequisites & Notes: BUS 2249 and ECO 1101.

Credits: 3 cr.

- ## FIN 4435 - INVESTMENT THEORY

Introduction to financial policy with special emphasis on the practical application of risk-return theory. Investment decisions by individuals and firms, in stocks and bonds and other securities, made on the basis of incomplete information in an uncertain environment is covered.

Prerequisites & Notes: BUS 2249 and ECO 1102.

Credits: 3 cr.

- ## FR 1101 - INTRODUCTORY FRENCH I

For beginning students and those with less than two years of high school French. Emphasis is on grammar, pronunciation drills, aural comprehension, speaking, reading, and writing with language lab.

Credits: 3 cr.

- ## FR 1102 - INTRODUCTORY FRENCH II

Continuation of 1101 with language lab.

Prerequisites & Notes: FR 1101 or equivalent.

Credits: 3 cr.

- ## FR 2201 - INTERMEDIATE FRENCH I

Reading texts, grammar review and further practice in aural comprehension, speaking, and writing with language lab.

Prerequisites & Notes: Three years of high school French or FR 1102.

Credits: 3 cr.

- ## FR 2202 - INTERMEDIATE FRENCH II

Continuation of 2201 with language lab.

Prerequisites & Notes: Four years of high school French or FR 2201.

Credits: 3 cr.

- ## FR 2205 - PHONETICS AND PRONUNCIATION

A study of the speech organs, place and manner of articulation of French phonemes and their phonetic realizations, along with extensive practice exercises on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studies as well. Students will also be introduced to some French dialects and regional pronunciation patterns.

Prerequisites & Notes: FR 1102 or equivalent; FR 2201 or higher is preferred.

Credits: 3 cr.

- ## FR 3300 - CONVERSATIONAL FRENCH CIVILIZATION

Designed to gain more fluency and develop writing skills. Examines socio-economic, political, and cultural topics.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3305 - ADVANCED FRENCH CONVERSATION

Continuation of 3300. Students make oral commentaries and write reports.

Credits: 3 cr.

- ## FR 3306 - TOPICS IN FRENCH CIVILIZATION (HISTORY)

A brief survey of French history, with particular attention to major events and personalities.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3307 - TOPICS IN FRENCH CIVILIZATION (GEOGRAPHY)

A study of the geography of French-speaking countries.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3309 - TOPICS IN FRENCH CIVILIZATION (CONTEMPORARY PROBLEMS)

A study of the problems facing the people of French-speaking countries.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3310 - BUSINESS FRENCH

An introduction to French business and its terminology: a broad study of the commercial procedures in France with a concentration on the acquisition of the necessary vocabulary.

Credits: 3 cr.

- ## FR 3311 - INTRODUCTION TO FRENCH LITERATURE

The course is designed to introduce students to important periods, genres, literary movements, and authors. It is based on the most recent French practices in teaching literature at an introductory level, with a concentration on poetry, essay, theatrical works, and autobiographical writings. It is designed to give students a sense of what constitutes a literary text as well as a capacity for analyzing texts, discussing themes and ideas, and improving their reading and writing skills. The course will cover examples of texts from poetry to the novel, from the Renaissance to the end of the XXth century, from tragedy to comedy, from entertainment to questioning and discussing major themes.

Prerequisites & Notes: FR 2202 or permission of instructor.

Credits: 3 cr.

- ## FR 3320 - ADVANCED FRENCH STRUCTURE

A final review of the structure of French and study of short literary texts.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3330 - SURVEY OF FRENCH LITERATURE I

Selected readings of major French writers through the 1 8th century, outside readings and reports, literary movements, style and form.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3331 - SURVEY OF FRENCH LITERATURE II

Selected readings of major French writers since 1800; outside readings and reports, literary movements, style and form.

Prerequisites & Notes: FR 2202 or equivalent.

Credits: 3 cr.

- ## FR 3370 - FOREIGN STUDY - CREDIT ARRANGED

Open to students who wish to continue the study of French abroad. The number of credits granted is based upon validated credentials presented to the department. Plans for foreign study should be submitted at least one semester prior to departure. Regulations regarding study abroad are available in the Office of the Provost/Vice President for Academic Affairs.

Credits: 1 - 3 cr.

- **FR 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **FYS 1100 - FIRST YEAR SEMINAR**

First Year Seminar - Subject changes.

Credits: 3 cr.

- **FYS 2200 - PEER LEADERSHIP SKILLS**

This course provides required training for students serving as Peer Leaders in FYS sections. Peer leaders support FYS faculty in helping first year students make a more successful transition to college.

Prerequisites & Notes: Professor Permission

Credits: 1cr.

- **GEG 1101 - WORLD REGIONAL GEOGRAPHY**

Regional study of the world with special emphasis on the diversity of human existence and the world-scale problems currently faced.

Credits: 3 cr.

- **GEG 1102 - HUMAN GEOGRAPHY**

Study of aspects and distribution of culture. Topics include: population, health, language, religion, and economic activities.

Credits: 3 cr.

- **GEG 1111 - PHYSICAL GEOGRAPHY**

Introduces the earth-science component of geography. Topics include: earth-sun relationships, weather and climate, vegetation, soils, and landforms.

Credits: 3 cr.

- **GEG 1122 - ENVIRONMENTAL ISSUES**

Surveys a wide range of environmental issues. Topics include: population growth, soils, floods, water availability and quality, sewage treatment, solid and toxic waste, fossil fuels, nuclear power, and alternative energy sources.

Credits: 3 cr.

- ## GEG 2200 - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE

Introductory course in the use of geographic information sciences and related technologies for spatial analysis and mapping, including an emphasis on hands-on applications.

Prerequisites & Notes: Co-requisite: GEG-2200L

Credits: 4cr.

- ## GEG 2200L - INTRODUCTION TO GEOGRAPHIC INFORMATION SCIENCE LAB

Laboratory component of GEG 2200 emphasizing the completion of hands-on activities to enhance development of applicable skills in geographic information science.

Prerequisites & Notes: Co-requisite: GEG-2200

Credits: 0cr.

- ## GEG 2520 - ENVIRONMENTAL JUSTICE

Human societies indelibly modify their environment in order to enhance economic development. In many cases, the environmental degradation created by these modifications impacts disadvantaged segments of society significantly more than others. Environmental justice is a field informed by cultural geography, social science, grassroots activism, and ethics. Topics covered will include a history of the environmental justice movement in the U.S.; a substantial review of the past environmental justice projects; the ethical dynamics between capitalism, inequality, and environmental degradation; how to understand maps and diagrams of demographic data, as well as how to create basic ones.

Credits: 3cr

- ## GEG 2910 - INTRODUCTION TO SURVEYING

This course is an introduction and orientation to proper field surveying theory and techniques. Subject areas include taping, tape corrections, leveling, angle measurements, distance measurements, contouring, fundamentals of mapping, and proper use and care of surveying instruments. Students will also gain an understanding of the role that proper site surveying plays in the development of land parcels for different public and private applications.

Prerequisites & Notes: Minimum 15 earned credits.

Credits: 3cr.

- ## GEG 3000 - COMPUTER AIDED DESIGN

This course introduces the fundamentals of design using CAD (Computer Assisted Drafting) software with particular emphasis on land use and environmental applications. The course covers the advantages of CAD compared to other drafting techniques, and introduces

the main commands and procedures used in drawing and editing as well as view manipulation, inquiry, and plotting. Emphasis is on hands-on learning and comprehension of procedures based around applied problem sets.

Credits: 3 cr.

- **GEG 3010 - GEOGRAPHY FIELD RESEARCH: CULTURAL GEOGRAPHY OF SCOTLAND**

This course allows students to engage in a short-term study abroad class travelling across Scotland over a period of fifteen days. Students will learn about Scottish politics, landscapes, heritage tourism, and contemporary Scottish culture.

Prerequisites & Notes: Must have 24 completed credits.

Professor permission.

Credits: 3cr

- **GEG 3225 - ADVANCED GEOGRAPHIC INFORMATION SCIENCE**

Studies advanced analysis techniques using geographic information science. Topics include data development, spatial analysis, and geographic information system management using Esri's ArcGIS platform.

Prerequisites & Notes: GEG-2800, or GEG-2821, or GEG-2200 and GEG-2200L.

Credits: 4cr. Notes: Co-requisite: GEG-3225L

- **GEG 3225L - ADVANCED GEOGRAPHIC INFORMATION SCIENCE LAB**

Laboratory component of GEG 3225, requiring significant hands on application of course topics to develop practical skills in geographic information science.

Prerequisites & Notes: Take GEG-2800 or GEG-2821 or GEG-2200 and GEG-2200L.

Credits: 0cr. Notes: Co-requisite: GEG-3225

- **GEG 3285 - CARTOGRAPHIC METHODS**

Studies the art and science of making effective maps. Topics include: color and information theory used in mapping, spatial data visualization, cartographic design standards, mapmaking from analog and digital data, and graphic design of maps for web and print publication using adobe software.

Prerequisites & Notes: Take GEG-2831 or GEG-2200.

Credits: 3cr.

- **GEG 3345 - WEB BASED CARTOGRAPHY**

This course will demonstrate the role and duties of a cartographer or graphic artist in the design and construction of a graphic-intense website. Each student will design and produce an informative and interactive website that presents a thoroughly researched topic. Students will write HTML and simple scripts that control rollovers, image maps, and sliced images. In addition, they will learn about scanning, computer animation, and digital photography for the web.

Prerequisites & Notes: GEG 3280.

Credits: 3 cr.

- ## GEG 3364 - GEOSTATISTICS

An introduction to the methods of geographic measurement, such as data-gathering and statistical-computerized analysis. Intended to familiarize students with more advanced methodologies of geographic research.

Credits: 3 cr.

- ## GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA

An analysis of the physical and human aspects of the United States and Canada. Particular emphasis on regionalism and regional problems.

Credits: 3 cr.

- ## GEG 3381 - GEOGRAPHY OF PENNSYLVANIA

Analysis of the regional patterns of Pennsylvania. Topics include: topography, climate, water resources, mineral resources, and the historical development of economic regions within the State.

Credits: 3 cr.

- ## GEG 3810 - GEOWEB AND INTERNET MAPPING

Studies integration of mapping technologies with the Internet. Topics include: scraping and mapping geolocated data from social media and other published web sources, development of interactive web maps for presentation, and development of mobile mapping applications.

Prerequisites & Notes: GEG 2831

Credits: 3cr.

- ## GEG 3850 - MAPPING APPLICATION DEVELOPMENT

Studies application development useful in geographic information science and mapping. Topics include: programming scripts for mapping applications, mapping application backend interfaces, and mapping GUI development.

Prerequisites & Notes: GEG 2831.

Credits: 3cr.

- ## GEL 1125 - PHYSICAL GEOLOGY

A study of the solid portion of the earth, the materials of which it is composed and the processes which are acting on it. Included are such topics as rocks and minerals, weathering, and geologic structures.

Prerequisites & Notes: Co-Requisite: GEL 1125L

Credits: 4cr.

- ## GEL 1125L - PHYSICAL GEOLOGY LAB

PHYSICAL GEOLOGY LAB

Credits: 0cr

- ## GEL 1200 - ENVIRONMENTAL GEOLOGY

This is an introduction to the application of geologic principles for understanding and solving questions regarding our environment. This course will focus on the interaction between society and our planet in the context of natural hazards, natural resources, and other current topics.

Credits: 3cr

- ## GEL 2810 - OIL AND GAS GEOLOGY

A study of oil and natural gas resources focused on resource formation, occurrence, exploration and production methods, and regional prospects for oil and natural gas development. Students will be actively involved in map interpretation and written presentation of data.

Prerequisites & Notes: GEL 1121 & GEL 1121 Lab

Credits: 3 cr.

- ## GEL 2920 - TEACHING SCIENCE TO THE PUBLIC

This course examines ways to help foster an understanding of the nature and concepts of science among the general population. Emphasis is placed on exploring techniques and strategies appropriate for teaching scientific concepts (especially those that involve hands-on activities relating to ethical and civic/societal concerns about our natural environment) in settings such as parks, interpretive centers and during recreational excursions.

Prerequisites & Notes: Must complete Natural & Physical Science Gen Ed requirement prior to taking this course.

Credits: 3cr.

- ## GEL 2950 - PRINCIPLES OF MUDLOGGING

This course will focus on common techniques of geologic data collection and description that are employed during drilling operations, with particular emphasis on regional subsurface geology and formation evaluation techniques. Students will learn basic rock identification and classification of drill cuttings using petrographic microscopes. They will also learn how common well logs (SP, Density, Gamma, etc.) are collected and interpreted in real time at drill pads. The course will also introduce the duties and responsibilities of a well site geologist in relation to the overall Exploration and Production process and personnel.

Prerequisites & Notes: GEL-1121

Credits: 3 cr.

- ## GEL 3322 - HISTORICAL GEOLOGY

A study of earth history that includes introductory through advanced topics related to geologic time, stratigraphy, paleontology, plate tectonics, and structural geology. Students will apply their new knowledge to solve a number of field, computer, and classroom-based problems. A special emphasis will be placed upon the application of historical geology to mineral resource and geologic hazard assessments.

Prerequisites & Notes: GEL 1125.

Credits: 3 cr.

- ## GEL 3325 - GROUNDWATER HYDROLOGY

Hydrology is the study of water in the geological environment. The emphasis of this course is on the occurrence, movement, quality and quantity of surface and groundwater. Students will solve problems using math, maps and software.

Prerequisites & Notes: 30 Earned credits.

Credits: 3cr.

- ## GEL 3363 - MINERALOGY

Minerals are the stuff of which planets are composed, the material from which civilizations are built, and the coveted jewels and precious metals of humankind. The study of these naturally occurring crystalline substances is the science of mineralogy. This course deals with the principles and concepts fundamental to understanding the physical, chemical, and crystallographic properties of minerals. Course assignments introduce techniques that aid in defining these characteristic properties. Familiarization with minerals of common occurrence crustal rock types is emphasized. Prerequisite: GEL 1125 and GEL 1125L or permission of instructor.

Prerequisites & Notes: Prerequisite: GEL 1125 and GEL 1125L or permission of instructor.

Credits: 3cr.

- ## GEL 3364 - PETROLOGY

This course deals with the origin and evolution of igneous and metamorphic rocks and their plate tectonic setting. The origin of magmas is examined as well as the processes involved in their differentiation. Metamorphic facies, mineral assemblages, and thermobarometry are studied. Petrology and melting of the mantle is discussed. These topics are unified by concepts of plate tectonics. Prerequisite: GEL 3363 or permission of instructor.

Prerequisites & Notes: Prerequisite: GEL 3363 or permission of instructor.

Credits: 3cr.

- ## GEL 3500 - GEL MAPPING/ANALYSIS

This course covers many of the basic techniques that are used in the collection, analysis and presentation of geologic field data. The course encompasses elements of structural geology, sedimentology, stratigraphy, and geophysics in an applied context. A large portion of the course content is presented through field and map-based exercises including a weekend mapping project.

Prerequisites & Notes: Take GEL-1125.

Credits: 3 cr.

- ## GEL 3510 - SEDIMENTOLOGY AND STRATIGRAPHY

This course will introduce students to the basic principles used in the study of sedimentology and stratigraphy and will include: examination of the processes that influence the formation of sediments and sedimentary rocks; the physical, chemical, and biological aspects of sediments and sedimentary rocks; features of sedimentary rocks that are used to make environmental and climatic interpretations, and on the techniques used to put strata in context of time and space. Lab exercises will be incorporated into the lectures and will be used to reinforce major topics. There will also be a mandatory one day field trip.

Prerequisites & Notes: Prerequisite: GEL-1125 and GEL-1125L.

Credits: 3cr.

- ## GEL 3520 - STRUCTURAL GEOLOGY

Students will learn how to evaluate and analyze rock deformation using basic principles of mechanics as well as classical description and classification. Students will learn how to use geologic maps and field data to define the relations of fold and fault geometry, unconformities, and stratigraphic sequences. Students will collect and describe geologic field data to gain greater understanding of the tectonic forces that shape our planet and their impact on different regions of Earth's surface.

Prerequisites & Notes: Prerequisite: GEL-1125 & GEL-1125L or permission of instructor.

Credits: 3cr.

- ## GEL 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## GEOS 1000 - ORIENTATION TO GEOSCIENCES

This course introduces new majors in the Geography and Geology department to the different programs, faculty members, and facilities for geosciences on campus. It will also introduce students to various career paths in geosciences, and help them gain a better understanding of the technical and field skills expected by employers in different geoscience based occupations. Students will be introduced to common methods of map interpretation, sample collections, data analysis and report writing that they will build on in upper level courses of the program.

Credits: 1cr. Notes: Limited to majors in program.

[Archived Catalog]

Courses

Contract All Courses |

- ### GEOS 1625 - SURFACE HYDROLOGY

  Surface hydrology is an introduction to physical and applied hydrology and explores the components of the hydrologic cycle including processes of precipitation, evaporation, transpiration, infiltration, ground-water flow, surface runoff and streamflow. Students learn about each physical hydrologic process, and then are introduced to both field and modeling methods to measure and estimate rates of each process and how the results are applied in real-world situations.

  Credits: 3cr

- ### GEOS 2821 - MAP READING AND INTERPRETATION

  Studies the interpretation of maps. Topics include: location systems, scale, contour lines, projections, introductory surveying techniques and basic photogrammetry.

  Credits: 3cr.

- ### GEOS 2855 - WETLAND SCIENCE

  This course will discuss wetland indicators including plants, soils and wetland hydrology in the soil or on the surface of wetlands. The course will help an individual interested in wetland delineation, along with teaching the importance and protection of wetland environments. Topics include wetland classification and delineation, origin and development of wetlands, biotic adaptions to the wetland environment, wetland chemistry and microbial communities, and wetland restoration. The course will include lecture, labs, applied activities and field trips.

  Credits: 3cr

- ### GEOS 2880 - ENVIRONMENTAL IMPACT ASSESSMENT

  This course will present land use management, with a primary emphasis on describing and explaining approaches, methods, and techniques for sustainable land use. Students will investigate the methods and tools by which local, state, and federal governments control the use of land and will put these to work by conducting a federal Environmental Impact Assessment of a local site.

  Credits: 3cr.

- ## GEOS 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. Practicums are grades S or U - they do not affect GPA.

Prerequisites & Notes: 30 earned credits and Instructor permission.

Variable Credits: 1-5cr.

- ## GEOS 3060 - PRINCIPLES OF SOIL SCIENCE

A survey course that examines the physical, chemical and biological properties of soils. Relationships between soils and plant growth, land use, watershed management, water pollution, and environmental protection form an integral part of the course. Field work is required.

Prerequisites & Notes: 30 Earned credits.

Credits: 3cr.

- ## GEOS 3105 - ENVIRONMENTAL PERMITTING

This course will focus on environmental permitting. It will introduce General Permits, NPDES permits, E&S plans, and water obstruction and encroachment permits (section 401 and 404 permits). Students will complete fieldwork and the appropriate forms and supporting materials associated with the permitting process.

Prerequisites & Notes: Take GEOS-2855.

Credits: 3cr

- ## GEOS 3312 - CLIMATE CHANGE

This course aims to familiarize students with the basic scientific and historical background needed to understand the causes and consequences of climate change, and proposed adaptation and mitigation options. Topics include the nature of energy and fossil fuels, weather and climate, the greenhouse effect, forcing and feedbacks, climate change in the geological and archaeological records, climate model projections and uncertainties, and the environmental consequences of unchecked global warming. This includes an examination of the prevalent methods utilized to determine climate change such as dendrochronology, palynology, and sediment, ice core, and borehole analysis. The course also explores the costs and benefits of a range of proposed solutions, which include: renewable energy and carbon sequestration, increased efficiency of energy use, carbon regulation, and new technologies.

Prerequisites & Notes: 30 Earned credits.

Credits: 3cr.

- ## GEOS 3321 - GEOMORPHOLOGY

Studies how landforms develop and change. Surveys the major landform regions and national parks of the United States.

Interpretation of aerial photographs is an integral part of the course.

Prerequisites & Notes: Prerequisites: GEL-1125 & GEL-1125L.

Credits: 3cr.

- ## GEOS 3340 - INTRODUCTION TO GEOARCHAEOLOGY

Geoarchaeology is the application of earth science methods and concepts to address archaeological research questions. This course introduces students to the application of Geoscience disciplines such as soils, geomorphology, sediments, stratigraphy, and geochemistry specifically within the context of past human settlement patterns, and the reconstruction of ancient landscapes and paleoclimates. The course includes a laboratory/field component and students will be provided with opportunities to apply practical skills discussed in class, including but not limited to: soil description, sampling, and analysis; geomorphological landscape analysis, and stratigraphic description and analysis.

Prerequisites & Notes: Must have 30 earned credits.

Credits: 3cr

- ## GEOS 3430 - REMOTE SENSING

This course is an introduction to remote sensing and focuses on the acquisition, analysis and interpretation of digital and photographic imagery.

Prerequisites & Notes: Prerequisite: GEG-2200 and GEG-2200L.

Credits: 3cr.

- ## GEOS 3440 - GEOPHYSICAL METHODS

This course introduces students to the science that underpins the most commonly used near-surface geophysical survey methods and provides experience in hands-on application of ground penetrating radar (GPR). Near-surface geophysical investigations are used in a variety of disciplines, including but not limited to geology, hydrogeology, mining, engineering, geomorphology, and archaeology. This course focuses on the use of geophysical methods on geomorphology and archaeology. This course focuses on the use of geophysical methods in geomorphology and archaeology. For the purposes of this course, students will a) study the scientific underpinnings of a variety of geophysical methods, and b) learn how to collect, analyze, and process near surface geophysical data to investigate geomorphological and/or archaeological problems. This course is a requirement for the Geoarchaeology concentration buy may also be of interest to students studying environmental science or physics.

Prerequisites & Notes: Must have 30 earned credits.

Credits: 3cr

- ## GEOS 4415 - APPLICATIONS IN GEOSCIENCES

Offers extensive field experience and the opportunity to observe, first-hand, a variety of natural and human processes and phenomena. May be taken for two through four credits.

Prerequisites & Notes: Instructor permission; 45 earned credits.

Variable Credits: 2-4cr.

- ## GEOS 4440 - GEOSCIENCE RESEARCH

Research laboratory for advanced geoscience students to learn the conduct of original research under faculty guidance. Topics include construction of a research question, use of various geoscience research methods, and appropriate sharing of results.

Prerequisites & Notes: Instructor permission; 45 earned credits.

Credits: 3cr.

- ## GEOS 4496 - INTERNSHIP

Offers practical work experience and the opportunity to apply and further develop skills taught in the Geosciences Department. All internships will be grades S or U -they do not affect your GPA.

Prerequisites & Notes: Instructor permission.

Variable Credits: 6-12cr.

- ## GEOS 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. May be taken for one, two or three credits at one time.

Prerequisites & Notes: 45 Earned credits.

Variable Credits: 1-3cr.

- ## GEOS 4500 - SENIOR SEMINAR

A capstone course for Geography majors. A research project and job search, to include compiling a vita and writing a cover letter for an actual job, are integral parts of the course.

Credits: 1cr.

- ## GER 1101 - INTRODUCTORY GERMAN I

For beginning students and those with less than two years of high school German who wish to review their knowledge starting from the very beginning. Students will learn the most basic communicative skills and will be able to greet people, give personal information, and otherwise form simple sentences and ask questions. Skills are all taught from a cultural emphasis and include pronunciation and speaking, listening comprehension, reading, writing proper structures. Online language laboratory and other exercises are required weekly.

Credits: 3 cr.

- ## GER 1102 - INTRODUCTORY GERMAN II

Continuation of 1101. This course is appropriate for students who have had 1 or 2 years of high school German. Students will strengthen skills in all areas and should be able to survive in a German-speaking environment at a minimum level by the end of the course. Online language laboratory and other exercises are required weekly.

Prerequisites & Notes: GER 1101 or equivalent.

Credits: 3 cr.

- ## GER 2201 - INTERMEDIATE GERMAN I

A review and expansion of topics involving cultural competence and the structure of the German language with additional emphasis on listening comprehension, speaking, reading, and writing. Particular attention is given to vocabulary development. Online language laboratory and other exercises are required. The course is appropriate for those with 2-3 years of high school German or equivalent.

Prerequisites & Notes: GER 1102 or equivalent.

Credits: 3 cr.

- ## GER 2202 - INTERMEDIATE GERMAN II

Increased emphasis on the development of language skills, using materials taken from current events and cultural and literary selections. Online language laboratory and other exercises are required. The course is appropriate for those with 3-4 years of high school German.

Prerequisites & Notes: GER 2201 or equivalent.

Credits: 3 cr.

- ## GER 2205 - PHONETICS AND PRONUNCIATION

A study of the speech organs and of the place and manner of articulation of German phonemes and their phonetic realizations, along with extensive practice exercises on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to major German dialect groups.

Prerequisites & Notes: GER 1102 or equivalent; GER 2201 or higher preferred.

Credits: 3 cr.

- ## GER 3300 - CONVERSATIONAL GERMAN

Intensive oral practice in German for the development of a higher degree of fluency in the spoken language. Emphasis on topics of cultural, social, economic, and political nature.

Prerequisites & Notes: GER 2202 or equivalent.

Credits: 3 cr.

- ## GER 3305 - ADVANCED GERMAN CONVERSATION

Intensive development of oral expression for students desiring a higher level of oral fluency. Emphasis is on enabling the student to carry on discussion in more detail and giving oral reports.

Prerequisites & Notes: GER 2202 or equivalent.

Credits: 3 cr.

- ## GER 3320 - ADVANCED GERMAN STRUCTURE

Study and practical application of the German structural patterns with concentration on the morphology and syntax of the language.

Prerequisites & Notes: GER 2202 or equivalent.

Credits: 3 cr.

- ## GER 3330 - INTRODUCTION TO GERMAN LITERATURE

This course will examine both the main literary movements from the 1 9th century to the present as well as the major authors representing them. Students will read selections from many of these authors' works and discuss them in their historical context. The course also aims to familiarize students with methods of literary analysis.

Prerequisites & Notes: GER 2202 or equivalent. One previous GER 3000 level course recommended.

Credits: 3 cr.

- ## GER 3335 - DEUTSCHE LANDESKUNDE

Students will become acquainted with the political, educational, and economic makeup of modern Germany, including special problems of the German reunification. Contemporary German culture will also be examined in its context within society as a whole. In addition, practical aspects of everyday German life (public transportation, mail system, social behavior, etc.) are covered.

Prerequisites & Notes: GER 2202 or equivalent.

Credits: 3 cr.

- ## GER 3336 - PROSEMINAR: LAENDER UND STAEDTE

Emphasis is on the cultural, economic, and social significance of each major geographical region along with main cities and tourist destinations in each. Students will also prepare individual presentations on an area that interests them.

Credits: 3 cr.

- ## GER 3337 - PROSEMINAR: TWENTIETH CENTURY GERMAN LITERATURE

Major literary movements along with works or selections of works by representative authors will be the focus of this course. Techniques and terminology of literary analysis will be covered. Students will prepare a research project on a particular author, genre, or movement.

Credits: 3 cr.

- ## GER 3360 - SEMINAR: GERMAN CULTURAL HISTORY

Survey of the cultural development of the German-speaking areas from the tribal migration period through the recent reunification. Emphasis is on literary, architectural, musical, scientific, and artistic achievements of each period and how these interact. Students will prepare several brief presentations and an in-depth project.

Credits: 3 cr.

- ## GER 3363 - SEMINAR: THE GERMAN NOVELLE

This is a genre-study course that concentrates on the Novelle (longer short story or novelette) as it developed in the German-speaking countries. Authors studied are from the 19th and early 20th centuries, covering romanticism to realism.

Credits: 3 cr.

- ## GER 3370 - FOREIGN STUDY - CREDIT ARRANGED

“Strongly recommended for all German majors - especially those in the BSE program or who plan to pursue graduate work, but open to students of any major who wish to live and study in Germany.” The number of credits granted is based upon validated credentials presented to the department. Plans for foreign study should be submitted at least one semester prior to departure. Regulations regarding study abroad are available in the Office of the Provost/Vice President for Academic Affairs.

Credits: 1 - 3 cr.

- ## GER 3371 - FOREIGN STUDY - CREDIT ARRANGED

See GER 3370 for course description.

Credits: 1 - 3 cr.

- ## GER 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## GRA 1101 - INTRODUCTION TO GRAPHIC DESIGN

This course offers a survey of the tools that graphic designers use in both print and motion graphics. The goals of this course are to provide instruction on current trends in graphic design\ and experience in hands-on utilization of tools appropriate to the discipline.

Credits: 3 cr.

- ## GRA 1102 - HST OF GRAPHIC DESIGN

This course offers a survey of the development of the field of graphic design from its beginnings to current practices in both print and electronic form. The goals of this course are to provide instruction and experience in: historical development of the field of graphic design; visual identity.

Credits: 3 cr.

- ## GRA 2200 - FOUNDATIONS IN DIGITAL MEDIA

A foundation course in understanding the hardware, software, methodologies and techniques involved in digital illustration and imaging. This course introduces the terms, applications, and skills necessary for all upper level computer generated art and design work.

Credits: 3cr

- ## GRA 2201 - COMPUTER GRAPHICS I

This introductory course is designed to offer instruction on the basic concepts and terminology of the application of 2-D and basic 3-D computer graphics in visual communication. Concentration is on visualization, design and digital techniques.

Prerequisites & Notes: GRA 1101.

Credits: 3 cr.

- ## GRA 3202 - VISUAL COMMUNICATION AND DESIGN

This course introduces students to the theory and process of graphic design, including the study of image, typography, grid structure, color, visual perception, language, and hierarchy of information. Conceptual and applied problem-solving projects will develop an understanding of the media, techniques, and processes used within the discipline of graphic design.

Prerequisites & Notes: Take GRA-2200.

Credits: 3cr

- ## GRA 3203 - HISTORY OF GRAPHIC DESIGN

This course offers a survey of the development of the field of graphic design, from its inception to current practices. The goal of this course is to provide a comprehensive view of graphic design as it has been inherently woven into our lives through industry, religion,

history, economy, and culture.

Prerequisites & Notes: 15 earned credits

Credits: 3cr

- ## GRA 3302 - INTERACTIVE DESIGN

A comprehensive survey of the history, theory, media and techniques used within interactive design. Students receive an introductory approach to basic concepts, terminology, design, and software applicable to animation and motion graphics.

Prerequisites & Notes: GRA 2202.

Credits: 3 cr.

- ## GRA 3303 - DESIGN THEORY AND PRACTICE

Topics and presentations in the contemporary practice of print, exhibition, and time-based graphic design work will be offered. Presentations will cover survey of contemporary designers and related historic movements. Students will produce a semester-long directed project incorporating elements of print, installation, sound, video, and/or interactive media suitable for their portfolio. Class will culminate in a student-managed exhibition of the work at the end of the semester.

Prerequisites & Notes: Take GRA 2202 and 30 earned credits. Restricted to Graphic Design major or permission of instructor.

Credits: 3cr

- ## GRA 3304 - MOVING IMAGE AND SOUND

The course surveys the history and theory of design work that utilizes moving image and sound relationships to connect with the emotional and rational realm of the viewer in a graphic design context. Students will learn the software tools and techniques necessary to produce well-designed sound and video projects. Course outcomes include narrative and non-narrative montage, experimental, non-representational, linear or interactive projects targeted for electronic distribution or site-specific installation.

Prerequisites & Notes: Take GRA-2202. Restricted to Graphic Design major or permission of instructor.

Credits: 3cr

- ## GRA 3342 - DESIGN AND ADVERTISING

A comprehensive survey of basic principles and practices in graphic design and advertising, as well as their relationship to economy, society, and system of mass communication. Psychological and creative factors, as well as the visual and verbal relationships involved in design, advertising, campaign, media and research are explored.

Prerequisites & Notes: Take GRA-3202

Credits: 3cr

- ## GRA 3350 - TYPOGRAPHY

This course focuses on fundamental typographic structure within graphic design, including meaning, hierarchy, context and theme, grid structure, image-type relationships, interaction, and typographic history and expression.

Prerequisites & Notes: GRA 3202.

Credits: 3 cr.

- ## GRA 3365 - DIGITAL ILLUSTRATION

Introduction to the methods, techniques, and approaches to using the computer as a tool for visual communication. This course provides conceptual strategies and effective, workable knowledge of software programs that can be applied to the area of creative expression and teaching.

Prerequisites & Notes: Take GRA-2200.

Variable Credits: 1-6crs

- ## GRA 4402 - ADVANCED INTERACTIVE DESIGN

An in-depth study of the history, theory, media and techniques used within interactive design. Students investigate complex concepts, terminology, design, and as software, applicable to animation and motion graphics, in concert with projects that are specific to personal area of interest.

Prerequisites & Notes: GRA 3302.

Credits: 3 cr.

- ## GRA 4403 - SENIOR SEMINAR PROJECT

Senior Seminar Project focuses on advanced theory and application in preparation for professional practice. Students will define and develop content for projects, including research and critical analysis. This course will provide the opportunity for students to identify personal and professional goals, including the development of their resume, portfolio, and final exhibition or presentation of work.

Prerequisites & Notes: Take 90-105 credits by semester preceding Senior Seminar project; including 33 core major credits; have a 2.75 overall GPA; and approval of seminar proposal by department at the time of application.

Credits: 3 cr.

- ## GRA 4404 - BRANDING AND IDENTITY

This course will focus on the history, methodology, and application of brand strategy, as well as visual and verbal brand development, and the role of design in creating brand essence, distinction, and identity. Through conceptual and applied projects, the components of successful, integrated brands will be explored. The course will culminate with the creation of an identity program that include name development, nomenclature systems, visual imagery and verbal language that reflects the essence and message of the brand.

Prerequisites & Notes: GRA 2202 and GRA 3350.

Credits: 3 cr.

- ## GRA 4405 - GRAPHIC DESIGN PRACTICUM

This course would provide an opportunity, through an experience-based project, for students to act and reflect upon their role as graphic designers and visual communicators within a community. The student will take part in a supervised and evaluated experience in varied settings.

Prerequisites & Notes: Earned 90 credits by the semester preceding the practicum; including all 33 core major credits; have a 2.75 overall GPA; and approval of practicum proposal by department at the time of application.

Credits: 1 - 5 cr.

- ## GRA 4410 - GRAPHIC DESIGN INTERNSHIP

This course is designed to offer students practical understanding of graphic design techniques in the workplace environment. The student will take part in a supervised and evaluated experience in varied settings.

Prerequisites & Notes: Earned 90 credits by the semester preceding the internship, including all 33 core major credits; have a 2.75 overall GPA; and approval on internship proposal, by Department at the time of application.

Credits: 6 - 15 cr.

- ## GRA 4450 - ADVANCED TYPOGRAPHY

This course focuses on advanced-level use of typography within graphic design, with specific focus on experimental techniques, semiotics, hierarchy, context and theme, and complex interactions within a form.

Prerequisites & Notes: GRA 3350.

Credits: 3 cr.

- ## GRA 4465 - ADVANCED DIGITAL ILLUSTRATION

An advanced course in the methods, techniques, and approaches to using traditional hand processes, together with the computer, as a tool for visual communication. This course provides advanced conceptual and applied knowledge, to solve complex problems, which can be applied to the area of creative expression and teaching.

Prerequisites & Notes: Take GRA-3365

Variable Credits: 1-6crs

- ## HON 1107 - MACRO PHYSICAL SCIENCE

An introduction to motion and energy, astronomy thermodynamics, and sound. Students will construct laboratory apparatus from readily available sources to make measurements. Regularly cross-listed with SCI 1107.

Credits: 3 cr.

- ## HON 1108 - MICROPHYSICAL SCIENCE

An introduction to the atom, chemistry, electricity and magnetism, and light. Students will construct laboratory apparatus from readily available sources to make physical measurements. Regularly cross-listed with SCI 1108. Honors Students take only one Honors science course, either HON 1107 or HON 1108.

Credits: 3 cr.

- ## HON 1111 - HUMANITIES HONORS I

Introduction to the humanities by means of an interdisciplinary content drawn from literature, philosophy, theater, music, art and history.

Credits: 3 cr.

- ## HON 1112 - HUMANITIES HONORS II

A study of the structure and significance of artworks through classics selected from the period beginning with the Renaissance and extending to contemporary times. Emphasis is on understanding how artworks convey meaning through the use of representational, symbolic or formal aspects of the medium. Selections will derive mainly from European or American sources, although non-Western works may also be included when feasible. Works may be drawn from one or several media (such as narrative literature, visual art, music, drama or film) and from diverse cultural periods within the overall historical time frame.

Credits: 3 cr.

- ## HON 2200 - RESEARCHING CONTEMPORARY ISSUES

This course focuses on a series of case studies drawn from recent events of local, national and international importance with an emphasis on interdisciplinary research methods.

Credits: 3 cr.

- ## HON 2500 - WHY BECOME EDUCATED?

This course explores the nature and purpose of a liberal arts education. Questions in this course may include: What is “education?” what is its function or purpose? What are the instrumental and intrinsic values of education? Is there a difference between education and training? What are the relationships between education, happiness, and success? What does it mean to be “liberally educated?” Ought the professional and liberal arts disciplines remain separate from each other, or should they be integrated with each other? Are science, technology, engineering, and mathematics more important than humanities and the arts? Why are some people willing to die for their education?

Prerequisites & Notes: Only HON status or instructor permission.

Credits: 3cr.

- ## HON 3001 - HOW DO WE KNOW?

This course explores the processes of inquiry that humans have developed to understand reality. Questions examined in this course may include: What does it mean to "know?" What constitutes evidence and validity? What is the relationship between theory and observation? Is social science inquiry different from natural science inquiry? How does knowledge in humanities differ from scientific ways of knowing? What are some of the great scientific revolutions and why are they so significant?

Prerequisites & Notes: Honor status, 30 earned credits, or professor permission.

Credits: 3cr

- ## HON 3002 - ARE WE FREE?

Are we truly free to think, make choices, and act as we wish, or are we limited by, even determined by, the complexities of our physical, social and historical contexts? Questions examined in this course may include: What do we mean by "free?" Do we have too much freedom, or not enough? What is the relationship between freedom and inequality? Is freedom free or is there a cost to freedom? What is the relationship between freedom and responsibility?

Prerequisites & Notes: Honor status, 30 earned credits, or professor permission.

Credits: 3cr.

- ## HON 3003 - ARE WE PROGRESSING?

This course explores the ways in which we conceptualize and measure progress. Questions examined in the course may include: What is "progress?" Is progress necessary? What is the relationship between progress and happiness? What is the role of innovation in progress? How might ideologies affect and be affected by progress? To what extent is progress influenced by economics? When is too much progress, too much?

Prerequisites & Notes: Honor status, 30 earned credits, or professor permission.

Credits: 3cr

- ## HON 3004 - WHY DO SOCIETIES RISE & FALL?

This course explores the reasons why and ways in which societies rise and decline, from ancient times to the present. Questions examined in the course may include: What defines "society?" What causes some societies to dominate? Why do others fail? What roles do science, religion, and ideology play? Is the US an empire in decline while China an empire on the rise?

Prerequisites & Notes: Honor status, 30 earned credits, or professor permission.

Credits: 3cr

- ## HON 3005 - WHAT IS FAIR?

This course explores the reasons why and ways in which situations of injustice arise. Questions examined in the course may include: What are the causes and consequences of prejudice? How do we conceptualize fairness, equality, and justice? Why is there an inherent social categorization, an “us v. them” mentality? Can literature serve as a vehicle for social change? What does it mean to be invisible? What constitutes “privilege?” Who decides what constitutes social justice? How can we increase awareness of social injustice? What are our personal and collective responsibilities to affect positive change in eradicating social injustices?

Prerequisites & Notes: Honor status, 30 earned credits, or professor permission.

Credits: 3cr

- ## HON 4000 - HONORS CO-CURRICULAR EXPERIENCES

HONORS CO-CURRICULAR EXPERIENCE. S/U for grade.

Notes: Honors students only.

- ## HON 4495 - HONORS SENIOR PROJECT SEMINAR

To be taken in conjunction with (or the semester before, if necessary) the Honors Senior Project (HON 4497) to assist students in effectively presenting the findings f their projects. Students will create project outlines, study citation methods, improve their presentation skills, and receive feedback from their classmates and their instructor. Specific attention will be paid to creating engaging and interactive presentations and examining various off-campus and non-traditional venues in which to present student findings.

Credits: 1 cr.

- ## HON 4497 - SENIOR RESEARCH PRESENTATION

A semester-long project, related to the students major, that involves the perspective of at least two academic disciplines. The project is supervised by a faculty member of the student’s choosing and approved by the Honors Program Director. A formal presentation before the campus community concludes the Honors Program.

Credits: 3 cr.

- ## HON 4500 - HONORS CAPSTONE

Capstone project for the Honors Program.

Prerequisites & Notes: 90 credits completed; HON status, or instructor permission.

Credits: 0cr Notes: It is a 0-credit course based on an S/U grade.

- ## HPE 1102 - BEGINNING BOWLING

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime

fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1106 - BEGINNING ARCHERY

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1108 - BEGINNING RACQUETS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1110 - BEGINNING GOLF

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1115 - CONDITION AND BODY AWARENESS

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1117 - BADMINTON AND RACQUETBALL

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1118 - RACQUETBALL

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1122 - CONDITION AND WEIGHT TRAINING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1128 - AEROBIC CONDITIONING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1129 - ARCHERY**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1131 - WALK LIFE FITNESS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1135 - TENNIS AND RACQUETS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1140 - RACQUETS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

Credits: 1 cr.

- **HPE 1146 - INTERMEDIATE BOWLING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime

fitness, leisure, and recreational activities.

Credits: 1 cr.

- ## HPE 1165 - HIKING

Designed to cover the broad scope of activities concerned with hiking, compass use and orienting. Emphasis will be placed upon safety, equipment, and traversing various trails in Tioga County. Participation in weekend sessions is required.

Credits: 1 cr.

- ## HPE 1168 - BLS FOR HLTH CARE PROVIDERS

This course is designed to teach the skills of CPR for victims of all ages (including ventilation with a barrier device, bag-mask device, and oxygen), use of automated external defibrillator (AED), and relief of foreign-body airway obstruction (FBAO), as prescribed by the American Heart Association. It is intended for students who, by nature of their professions, provide health care to patients and victims in a wide variety of situations, including in-hospital and out-of-hospital settings. The course is also designed for anyone required to take a healthcare/professional rescuer course for future employment. This course is a prerequisite for those seeking future certification in ACLS and PALS.

Credits: 1 cr.

- ## HPE 1200 - PERSONAL and COMMUNITY HEALTH

Includes health services, health instruction, and health environment dealing with contemporary principles, practices, and concepts serving personal, family, and community health.

Credits: 3 cr. General Education Requirement: Unity and Diversity of Humanity – Themes - Environmental, Economic, Social and Personal Sustainability,
Wellness

- ## HPE 3315 - ATHLETIC TRAINING

Designed to provide experience in the application of various methods of treatment to athletic injuries. A study of preventive measures and medical management of athletic injuries.

Credits: 3 cr.

- ## HPE 3340 - FIRST AID and CPR

Theory, scientific basis, and methods are used in the application of first aid and CPR skills. This course will stress BLS-CPR (professional rescuer) and use of and A.E.D. for situations within 1 hour of definitive health care. The student will receive certifications in Adult, Child, and Infant CPR, Adult and Pediatric First Aid, and Adult and Child AED through the American Heart Association.

Credits: 3 cr.

- **HPE 3345 - WILDERNESS FIRST AID / CPR**

Wilderness First Aid and CPR is designed to meet the needs of all students who participate in activities in remote areas (more than 1 hour from definitive medical care). Emphasis is placed on victim assessment and care, emergency action and extrication, CPR, and transportation.

Credits: 3 cr.

- **HPE 3353 - FIRST AID AND CPR INSTRUCTOR**

This course is designed to prepare the student to become a certified First Aid and CPR Instructor as per the requirements of the American Heart Association. Upon successful completion the student will be recertified in the latest CPR and First Aid techniques, and will meet all the necessary standards to be classified as "Instructor" by the American Heart Association.

Prerequisites & Notes: Must have 15 earned credits

Credits: 3 cr.

- **HPE 3360 - KINESIOLOGY**

Analysis of human motion based on anatomical and mechanical principles. Applications of mechanics to sports activity.

Prerequisites & Notes: BSC 1121.

Credits: 3 cr.

- **HPE 3370 - PHYSIOLOGY OF EXERCISE**

Critical analysis of physiological bases of muscular activity with special attention to general effects of exercise on body function.

Prerequisites & Notes: BSC 1122 and HPE 3360.

Credits: 3 cr.

- **HPE 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **HST 1111 - WORLD CIVILIZATION TO 1350**

A survey of significant ideas, events, and cultural developments from the emergence of ancient Civilizations to 1 350.

Credits: 3 cr.

- **HST 1112 - WORLD CIVILIZATION 1350-1900**

A continuation of HST 1111, beginning with the Renaissance to the close of the nineteenth century, including the political, economic, and social developments that affected the world.

Credits: 3 cr.

- **HST 1113 - WORLD HISTORY SINCE 1900**

A survey of the cultural, political, economic, and social forces that have shaped world history since 1 900, with particular emphasis on global historical trends.

Credits: 3 cr.

- **HST 2201 - UNITED STATES HISTORY TO 1877**

A survey of American history covering pre-European contact through colonization, independence, and the formation of the new republic; nationalism, sectionalism, and the growth of democracy in the 19th century; and the Civil War and Reconstruction.

Credits: 3 cr.

- **HST 2202 - UNITED STATES HISTORY SINCE 1877**

A continuation of 2201, covering significant trends and events in the rise of modern industrial America, its emergence as a world power and events into the 21st century.

Credits: 3 cr.

- **HST 2210 - AMERICAN WOMEN'S HISTORY**

Explores the cultural, social, racial, and political forces that have shaped the experiences of women throughout American history.

Credits: 3 cr.

- **HST 2216 - HISTORY OF NON-WESTERN CIVILIZATION**

A survey history of Non-Western societies that explores the cultural and political developments of countries in Asia and Africa.

Credits: 3 cr.

- **HST 2220 - WORLD WAR II**

The origin, background, and course of World War II and its effects upon world affairs. Deals with battles and the scientific,

psychological, political, and economic impact of the war.

Credits: 3 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### HST 2226 - FILM AS HISTORY

Explores how the cinema, the 20th century's most important mass medium, has portrayed and presented history on the screen. We view various feature films with historical topics and then analyze how these films present history to their audiences. We look into not only questions of visual representation, but also the problem of factual accuracy.

Credits: 3 cr.

- ### HST 2230 - HISTORY OF SEXUALITY

This course examines the social constructs of sexuality, sexual orientation, gender and gender identification from a historical perspective.

Credits: 3 cr.

- ### HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY

Topics include: evolution of major sports, influence of organization and technology, critics of sports, racism, role of women and labor relations within sports, sports in the school, various sports heroes, and sports and culture.

Credits: 3 cr.

- ### HST 3266 - HISTORY OF BASEBALL

This course will examine the history of baseball from its origins during the colonial period into the 21st century. Particular attention will be paid to the relationship between baseball and American culture, including the sport's ethnic and working class roots, the changing nature of leisure and recreation, business consolidation, gender and race relations, labor-management conflict, and the importance of the community in everyday society. Offered online during summer sessions.

Prerequisites & Notes: One history course or permission of instructor.

Credits: 3 cr.

- **HST 3271 - AMERICAN REVOLUTION ON FILM**

This course will focus upon film portrayals of the American Revolution form the early twentieth century to the present. Feature films and televisions movies will be used to examine the historical accuracy of these media as they interpret American history from the 1760s into the 1780s. Offered online during summer sessions.

Prerequisites & Notes: ENG 1112 or permission of instructor.

Credits: 3 cr.

- **HST 3272 - AMERICAN WOMEN'S HISTORY ON FILM**

This course will focus upon film portrayals of American women's history from colonial times to the present. Feature films and television movies, along with documentaries, will be used to evaluate the historical accuracy of these media as they interpret American women's history.

Prerequisites & Notes: ENG 1112 or permission of instructor.

Credits: 3cr.

- **HST 3273 - HISTORY OF MEDICINE**

A history of medicine in Western and non-Western society from the Ancient world to the twenty-first century. This course will take a global approach to explore the development of medicine over time in various cultures. This course will also examine the relationship between medicine and historical themes, such as the Enlightenment, Scientific Revolution, Industrialization, production and consumption.

Credits: 3cr.

- **HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA**

Historical study of the peoples of South and Southeast Asian countries from ancient to the present. Also covers the indigenous religions of the region. Includes the Indian subcontinent and SE Asian countries such as Indonesia, Malaysia, Singapore, Thailand, Cambodia, and Vietnam.

Credits: 3 cr. Dual Listed/Cross Listed: ANH 3333.

- **HST 3290 - HISTORICAL METHODS**

Introduces the student to the discipline, methods, and techniques of historical research and writing. Examines the major interpretations of history.

Credits: 3 cr.

- **HST 3294 - TOPICS IN AMERICAN HISTORY**

A special area of American history that is of current interest.

Credits: 3 cr.

HST 3295 - TOPICS IN GLOBAL HISTORY

A special area of world history that is of current interest.

Credits: 3 cr.

HST 3296 - TOPICS IN EUROPEAN HISTORY

A special area of European history that is of current interest.

Credits: 3 cr. Dual Listed/Cross Listed: ANH 3296.

HST 3301 - HISTORY OF COLONIAL AMERICA TO 1763

A study of the colonial foundations of the American heritage from the earliest beginnings to the reorganization of the British imperial administration in the 1760's.

Prerequisites & Notes: 45 earned credits.

Credits: 3 cr.

HST 3302 - HISTORY OF THE EARLY REPUBLIC 1789 - 1848

This course will provide a basis for understanding the development and expansion of the new nation. Topics covered will include the rise of democracy, economic and social development, territorial expansion, and foreign affairs.

Prerequisites & Notes: HST 2201 or permission of instructor.

Credits: 3 cr.

HST 3303 - HISTORY OF THE AMERICAN REVOLUTION 1763-1789

The primary purpose of this course is to explore the history of the American Revolution from the end of the French & Indian War in 1763 through the ratification of the United States constitution in 1788. Particular attention will be paid to the social, economic, and political aspects of the conflict.

Prerequisites & Notes: HST 2201 or permission of instructor.

Credits: 3 cr.

HST 3304 - CIVIL WAR AND RECONSTRUCTION

This course explores the American Civil War and its aftermath. The course will explore the war through the political, military, social and economic experiences of those who fought and lived the period.

Prerequisites & Notes: Prerequisite: one history course or permission of instructor.

Credits: 3 cr.

- ## HST 3307 - CONTEMPORARY AMERICA

Explores the social, cultural, and economic changes of America since World War II. Examines the rise of suburbia, civil rights, counterculture, and development of the post-industrial economy.

Prerequisites & Notes: One history course or permission of instructor.

Credits: 3 cr.

- ## HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945

Study of the growth of big businesses and influential figures of corporate America. Also addresses the political and social implications on American society.

Prerequisites & Notes: One history course or permission of instructor.

Credits: 3 cr.

- ## HST 3313 - WOMEN IN EUROPEAN HISTORY

Explores the experiences of women in Europe from the fall of Rome to the present. Particular emphasis is placed on the changing legal and social status of women throughout the period.

Credits: 3 cr.

- ## HST 3316 - TEACHING SECONDARY SOCIAL STUDIES

This course provides a thorough background in the methods and materials for the teaching of social studies. Emphasis is placed on self-directed inquiry that focuses on identifying issues, problems, and contexts and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies in a classroom setting.

Prerequisites & Notes: ED 1102 or ED 1110 and must be a teacher education candidate.

Credits: 3 cr.

- ## HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT

Study of the American landscape and its inhabitants. Role of technology in American society and its impact on the environment. Environmental thought and issues on the changing landscape. Implications of population growth, technology, industries, and

development on the American economy and society.

Prerequisites & Notes: Prerequisite: One history course or approval of instructor.

Credits: 3 cr.

- ## HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS

This course explores one of the darkest periods in history, the witch hunts which occurred in Europe and Salem in the early modern period. The course focuses on the intellectual, economic, and social forces which allowed people to believe in witches and to accuse their family members and neighbors of witchcraft. The course also addresses issues of gender and their impact on the witch hunts both in Europe and Salem.

Credits: 3 cr.

- ## HST 3326 - HISTORY OF WOMEN AND TELEVISION

Through a study of both former and present television program, this course explores the changing roles of American women. We will consider how television both reflects and influences the culture understanding of gender in our society. The course will include discussions from a historical perspective on the impact of women in the workplace, the women's movement and its backlash. The importance of these events and their reflection in television programs throughout the television age will be discussed.

Credits: 3 cr.

- ## HST 3330 - ROME: FROM REPUBLIC TO EMPIRE

Traces the history of Rome from the founding of the Roman Republic in the 5th century B.C. to the fall of the Western Roman Empire in 476 A.D. Particular emphasis is placed on cultural and political trends during the late Republic and early Empire.

Prerequisites & Notes: Prerequisite: One history course or permission of instructor.

Credits: 3 cr.

- ## HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA

Surveys the impact of the development of religious movements, institutions, ideas, practices and values on US and Canadian cultures, politics and society.

Credits: 3 cr.

- ## HST 3345 - (W)MIDDLE AGES: LIFE AND CULTURE

The political, socioeconomic, and cultural development of the civilization of Medieval Europe from the fall of Rome to the Medieval synthesis in the High Middle Ages.

Prerequisites & Notes: Prerequisite: One history course or permission of instructor.

Credits: 3 cr.

- ## HST 3350 - INTRODUCTION TO PUBLIC HISTORY

An introduction to selected areas of the public history field for those students who would like to know more about career and employment opportunities outside of teaching. Topics include museums, archives, historic site interpretation, historic preservation, and historical societies.

Prerequisites & Notes: 30 earned credits or permission of instructor.

Credits: 3 cr.

- ## HST 3357 - HISTORY OF ENGLAND

A survey of the social, political, economic, and constitutional themes that have shaped the history of England.

Credits: 3 cr.

- ## HST 3361 - EARLY MODERN EUROPE

Political, social, economic, and cultural forces involved in the transition from medieval Western society with attention to the rise of national states and the growth of individualism.

Credits: 3 cr.

- ## HST 3366 - TWENTIETH CENTURY EUROPE

A study of the political, economic, cultural, and international developments in Europe during the twentieth century. Particular attention is given to the two World Wars and their causes, the rise of mass culture, the cold war, and the revolutions of 1989.

Prerequisites & Notes: Must have 30 credits completed.

Credits: 3 cr.

- ## HST 3370 - HISTORY OF WORLD REVOLUTIONS

This course examines the cause and effect of political, social and cultural revolutions from the seventeenth to the twenty-first century

Prerequisites & Notes: Must have 15 earned credits or Permission of Instructor.

Credits: 3 cr.

- ## HST 3377 - HISTORY OF LATIN AMERICA

A survey of Mexico, Central America, South America, and the Caribbean from Pre-Columbian Indian Civilizations to the 20th century. Emphasis is placed on the factors that have affected the region’s social, economic, and political development.

Credits: 3 cr.

- ## HST 3387 - HISTORY OF EAST ASIA

Traditional cultures and institutions of China and Japan and their roles in Korea and Southeast Asia; the role of Western powers in China's development; post-war changes; United States foreign policy in relation to the Far East; and the emergence of Communist China and Modern Japan are discussed.

Prerequisites & Notes: Prerequisite: One history course or permission of instructor.

Credits: 3 cr.

- ## HST 3388 - HISTORY OF AFRICA

Surveys the history of Africa from Paleolithic times to the presents, with particular emphasis on broad regional trends and the formation of African states after 1800.

Prerequisites & Notes: Must have 30 credits.

Credits: 3 cr.

- ## HST 3390 - GENOCIDE IN THE 20TH CENTURY

This course looks at the modern phenomenon of genocide, the mass killing of targeted groups of people by state entities in the 20th century, and primarily explores four case studies of genocide. The Armenian genocide, the Holocaust, the Cambodian genocide, and the Rwandan genocide. This course will also focus on the theory of genocide, how scholars define the concept and also how they explain the actions of perpetrators. Commonalities between these four case studies will be stressed.

Prerequisites & Notes: 30 earned credits

Credits: 3cr

- ## HST 3395 - THE COLD WAR

This course covers the period of the Cold War, from its origins late in the Second World War to its end with the revolutions of 1989 and the demise of the Soviet Union in December, 1991. We will especially look at the major events, international relations, and cultural impact of the Cold War.

Prerequisites & Notes: One HST course.

Credits: 3 cr.

- ## HST 3401 - PENNSYLVANIA HISTORY

The founding and development of Pennsylvania, emphasizing the social, political, and economic characteristics of the Commonwealth and the

diversity of its people.

Prerequisites & Notes: Completion of 45 credits.

Credits: 3cr Dual Listed/Cross Listed: HST 4401

- ## HST 4401 - HISTORY OF PENNSYLVANIA

The founding and development of Pennsylvania, emphasizing the social, political, and economic characteristics of the Commonwealth; the diversity of its people. This course will count as a capstone course for the History major.

Prerequisites & Notes: Prerequisites: HST 3290. History Majors.

Credits: 3 cr. Dual Listed/Cross Listed: HST 3401

- ## HST 4403 - THE US PRESIDENCY

Examines the roles and powers of the executive branch in the US political system. Addresses the historical development of the institution and the relationship with other political actors (particularly Congress). Includes how the changing media and public environment has impacted the presidency and highlights the most recent campaigns.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## HST 4406 - THE WESTWARD MOVEMENT IN AMERICA

Settlement of the geographic areas and the influence of westward expansions on the political, social and economic development of the American people. Includes the trans-Mississippi West and role of the Plains Indian in American history.

Prerequisites & Notes: One HST course or permission of instructor.

Credits: 3 cr.

- ## HST 4415 - MODERN AMERICAN DIPLOMACY

Explores American diplomacy from the Spanish American War through recent events. Included are the techniques, purposes, and problems of diplomacy.

Credits: 3 cr.

- ## HST 4420 - NAZI GERMANY AND THE HOLOCAUST

Explores the political, cultural, economic, and social history of National Socialism, from Hitler's rise to political prominence in the 1920's to the demise of the Third Reich in May, 1945. Particular attention is paid to the genesis of the Nazi Holocaust and its historical repercussions.

Prerequisites & Notes: One HST course or permission of instructor.

Credits: 3 cr.

- ## HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA

Rise of contemporary consumption and its impact on American society since late 19th century. Historiography of consumer thought, materialism, and social excesses.

Credits: 3 cr.

- ## HST 4449 - PRACTICUM

Designed to give experience in the work of a historic site or museum and an understanding of its position in the community. The student should become aware of the site or museum's philosophy and goals, its formal and informal organization, and its role in public history and the community.

Prerequisites & Notes: 60 Earned credits, 12 credits in HST, including at least one upper level HST course.

Variable Credits: 1-5 cr. Notes: May be repeated for a total of five credits.

- ## HST 4450 - INTERNSHIP

Provides pre-professional skills. Museum and archival work are examples of areas in which students can bring together academic training and practical experience.

Prerequisites & Notes: Prerequisite: permission of department chairperson, sponsoring instructor, and an agency.

Credits: 3 - 12 cr. Notes: May be taken for 3 through 12 credits.

- ## HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID

Explores the history of South Africa, from its founding as a Dutch Colony in 1652 to the collapse of the Apartheid system in the 1990s and the election of Nelson Mandela as president of a multiethnic nation. Particular emphasis is placed on the history of racial segregation and the development of Apartheid.

Prerequisites & Notes: Prerequisite: One history course.

Credits: 3 cr.

- ## HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN

A survey of Mexico and the Caribbean basin from the rise of native civilizations to the revolutions of the 20th century and their aftermath. Studies the interaction of various racial groups, the formation of distinct national identities, and class conflict.

Credits: 3 cr. Dual Listed/Cross Listed: ANH 4471.

HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD

Study of the cultures and traditions of China, Japan, Korea, and Southeast Asian countries with special focus on the Newly Industrialized Countries and their participation in the global economy.

Credits: 3 cr.

HST 4496 - SENIOR SEMINAR

In-depth knowledge of historical methodology and research. Significant historical problems are selected for oral discussion. Topics will vary. This course will count as a capstone course for the History major.

Prerequisites & Notes: HST 3290 or permission of instructor.

Credits: 3 cr.

HST 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

ITA 1101 - INTRODUCTION TO ITALIAN I

Students will learn the most basic communicative skills and will be able to greet people, give personal information, and otherwise form simple sentences and ask questions. Skills are taught from a cultural emphasis and include pronunciation and speaking, listening comprehension, reading, writing, and proper structures. Online language laboratory and other exercises are required. The course is appropriate for those with no experience or who wish to refresh their previous knowledge of the language.

Credits: 3cr.

ITA 1102 - INTRODUCTION TO ITALIAN II

Continuation of introduction to Italian language and culture. Students will consolidate and expand their knowledge of basic structures and vocabulary of Italian as they become more familiar with the geographical, social, and cultural diversity of modern Italy. Skills are taught from a cultural emphasis and include pronunciation and speaking, listening comprehension, reading, writing, and proper structures. Online language laboratory and other exercises are required. The course is appropriate for those who have completed ITA 1101 or equivalent, or 1-2 years of high school Italian courses.

Prerequisites & Notes: ITA-1101 or equivalent.

Credits: 3cr.

- **JN 1100 - JOURNALISM**

Introduces the nature and practice of newsgathering, reporting, writing, editing, and professionalism. Students acquire basic skills by covering textbook examples and off-campus breaking stories.

Credits: 3 cr.

- **JN 2200 - CRISIS NEWS ANALYSIS**

Critically examines roles, functions, and performance of the media during crises. Addresses the nature of crisis reporting of war, disaster, and the global environment.

Credits: 3 cr.

- **JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING**

Develops the journalism craft beyond routine coverage practices. Field assignments and classroom workshops offer practical experience in non-fiction depth/feature writing styles, interviewing techniques, and story marketing.

Prerequisites & Notes: JN 1100.

Credits: 3 cr.

- **JN 3320 - MAGAZINE WRITING AND PRODUCTION**

Explores advanced non-fiction feature article writing and literary journalism, with an emphasis on magazine writing, design, and production. Students create the annual edition of Crossroads magazine published in May since 1990.

Prerequisites & Notes: JN 1100, JN 3310 or permission of instructor.

Credits: 3 cr.

- **JN 3330 - CONTEMPORARY ISSUES IN JOURNALISM**

Engages students in issues, problems, and criticism concerning the mass media. Material covers media ethics; First Amendment and libel concerns; group media ownership; and public perception of the media.

Credits: 3 cr.

- **JN 3340 - ONLINE JOURNALISM**

The class will include information on such emerging media themes as the ethical and legal implications of publishing online in a 24/7 environment; the characteristics that distinguish news Web sites and their stories from their print and broadcast counterparts; guidelines for doing research on the Internet; and the impact of blogs, wikis and other citizen journalism on mainstream media.

Prerequisites & Notes: JN 1100 or permission of instructor.

Credits: 3 cr.

- ## LDR 2325 - INTRODUCTION TO LEADERSHIP STUDIES

Provides students with an in-depth understanding of leadership studies and examines applications of leadership principles to the college environment as well as other settings in the community. Students participate in a campus or community setting where they can study and apply these principles. Serves as an entry into the Minor in Leadership Studies.

Credits: 3

- ## LDR 4425 - LEADERSHIP CAPSTONE

A leadership seminar and practicum that provides a capstone to the Minor in Leadership Studies. Students will synthesize and integrate their interdisciplinary studies of leadership, complete self-assessments on their leadership abilities, complete a leadership portfolio with a focus on their future development as leaders, and initiate and complete an applied leadership project in the campus or community environment.

Prerequisites & Notes: LDR 3325 and 15 earned credits in the Leadership Studies minor.

Credits: 3 cr.

- ## LS 3450 - PRACTICUM

Supervised and evaluated participation in a business, government, or non-profit organization. In consultation with the supervising faculty member, the student documents and reflects on the work experience.

Variable Credits: 1-5cr

- ## LS 4450 - LIBERAL STUDIES INTEGRATIVE INTERNSHIP

This “capstone type” course, is a field-based experience, integrating a student’s General Education course work with course work in their minor or minors. It is intended for students who are not permitted an internship in their minor, but who would benefit from an opportunity to expand their university experience by participating in a supervised, pre-professional work placement.

Prerequisites & Notes: All course work completed in minor/s and within 18 credit hours of graduation. Departmental approval based on student readiness and appropriateness of proposed placement.

Credits: 6 cr.

- ## MA 0090 - BASIC ALGEBRA

Introduction to basic algebra. Topics include real numbers, linear equations, formulas, exponents, polynomials, factoring, rational expressions and equations, graphing, systems of equations, radicals, word problems, and applications. DOES NOT COUNT TOWARD GENERAL EDUCATION OR TOTAL CREDITS NEEDED FOR GRADUATION.

Credits: 3 cr.

- ## MA 1115 - SURVEY OF MATHEMATICAL IDEAS

A liberal arts course designed to acquaint the student with the nature and scope of modern mathematics. Emphasis is on concepts and understanding rather than the acquisition of technique. Topics included are suitable for the non-science liberal arts student. No extensive background in algebra is required.

Credits: 3 cr.

- ## MA 1117 - MATHEMATICS AND WORLD CULTURES

This course, intended for non-majors, explores the development of mathematics in many diverse societies. Working within the historical framework, the student is introduced to significant mathematical concepts and to the way that different peoples have thought about and explored these concepts. The motivation for, development of, and basic procedures of various branches of mathematics (including trigonometry, analytic geometry, calculus, probability and statistics, and Euclidean and non-Euclidean geometry) are investigated within their cultural contexts. No mathematical background is required beyond basic arithmetic.

Credits: 3 cr.

- ## MA 1119 - FUNDAMENTALS OF MATHEMATICAL REASONING

This course will center on quantitative reasoning skills. Areas of focus include deductive and inductive reasoning, critical thinking, numerical and geometrical reasoning, developing number sense, decision making under uncertainty, and mathematical communication skills. These skills will be presented and developed within the context of classical and everyday mathematical applications.

Credits: 3 cr.

- ## MA 1125 - INTRODUCTORY STATISTICS

A survey of basic statistical methods for analyzing data. Topics include descriptive statistics, probability, sampling, point and interval estimation, hypothesis tests, linear regression, correlation, and non-parametric tests. Successful completion of this course, along with MA 2203, may be used to fulfill the PDE mathematics requirement.

Credits: 3 cr.

- ## MA 1126 - INFERENTIAL STATISTICS and PROBABILITY

This is an introductory level statistics class with a primary focus on probability, inferential statistics, and regression analysis.

Inferential statistics topics include confidence intervals and hypothesis tests for regression parameters, goodness of fit tests, ANOVA, and non-parametric tests.

Credits: 3 cr.

- ## MA 1128 - COLLEGE ALGEBRA

Review of ideas in basic algebra, graphs, equations, inequalities, and a strong emphasis on functions (general, polynomial, rational, exponential and logarithmic).

Credits: 3 cr.

- ## MA 1129 - FINITE MATHEMATICS

An initial treatment of those topics in basic mathematics that are of special importance in business and the social sciences. Topics included are logic, sets and counting techniques, probability, mathematical models, linear equations and inequalities, introduction of linear programming, and matrices, also Markov Chains and Game Theory.

Credits: 3 cr.

- ## MA 1135 - MATH APPLICATIONS IN INDUSTRY

This course will center on the applications of quantitative reasoning skills in common industrial and environmental job situations. Areas of focus include unit conversions, calculation of proportions, applications of trigonometry, and the use of Excel for automating basic calculations in the workplace. These skills will be presented in the context of applied problem sets from a variety of industrial and environmental contexts.

Credits: 3 cr.

- ## MA 1165 - PRE-CALCULUS MATHEMATICS

Intended to prepare students for the study of calculus. Topics include functions, graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions and analytic trigonometry.

Prerequisites & Notes: MA 1128 or equivalent.

Credits: 3 cr.

- ## MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS

The fundamental concepts of calculus is for non-physical science majors utilizing the basic techniques of differential and integral calculus. Not available to students who have completed MA 2231.

Prerequisites & Notes: MA 1128 or equivalent.

Credits: 3 cr.

- ## MA 2203 - MATHEMATICS FOR THE CLASSROOM

A study of the basic ideas and structure in modern arithmetic, algebra, and geometry. Successful completion of this course, along with MA 1125, may be used to fulfill the PDE mathematics requirement. The course is intended for students who are or intend to become education majors.

Credits: 3 cr.

- ## MA 2231 - CALCULUS I

The purpose of this course is to develop a good understanding of limit, continuity, the derivative and its uses (including modeling and solving problems), to introduce the definite integral, and to establish the important relationship between the derivative and the definite integral. In this context the course will examine different classes of functions numerically, symbolically, and graphically. This course is intended for mathematics, science, and engineering majors. (Addresses NCTM Standards 1 .5.8 and 1 .5.10 for Mathematics Education majors.)

Prerequisites & Notes: MA 1165 or high school algebra and trigonometry.

Credits: 4 cr.

- ## MA 2232 - CALCULUS II

This is a continuation of MA 2231 and is intended to develop a good understanding of the definite integral and its uses including calculating area and applying numerical computation and estimation techniques, and to develop basic integration techniques. Differential equations, Taylor polynomials, series, exponential functions, logarithmic functions, and polar coordinates, and analytic geometry are also covered. (Addresses NCTM Standards 1 .5.2, 1 .5.3, 1 .5.8, and 1 .5.10 for Mathematics Education majors.)

Prerequisites & Notes: MA 2231 or equivalent.

Credits: 4 cr.

- ## MA 2233 - CALCULUS III

This is a continuation of MA 2232, and the purpose of this course is to investigate functions of two or more variables. Topics include graphing functions of two or more variables, partial derivatives, vectors, optimization, double and triple integrals, line and surface integrals, and calculating volumes. (Addresses NCTM Standards 1 .5.3 and 1 .5.10 for Mathematics Education majors.)

Prerequisites & Notes: MA 2232 or equivalent.

Credits: 4 cr. General Education Requirement: Mathematics

- ## MA 3260 - DISCRETE STRUCTURES

Foundations of mathematics emphasizing fundamental concepts in abstract mathematics and deductive reasoning. Topics include logic, mathematical induction, graph theory, recurrence relations, difference equations, Boolean algebra, sets, functions, relations, cardinality, number systems, and algorithms. (Addresses NCTM Standard 1 .5.11 for Mathematics Education majors.)

Credits: 3 cr.

- ## MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY

A study of the geometry of vectors, matrix algebra and operations, solutions of general systems of linear equations, inversion of matrices, determinants, vectors and vector spaces, subspaces, linear independence, bases and dimension, linear transformations, eigenvalues and eigenvectors, and applications. (Addresses NCTM Standards 1 .5.11 and 1 .5.1 3 for Mathematics Education majors.)

Prerequisites & Notes: MA 2232.

Credits: 3 cr.

- ## MA 3301 - SURVEY OF MATHEMATICAL MODELS

A survey of different math models, some deterministic and some stochastic, requiring no calculus background, designed to show non-trivial applications. Computer use is emphasized.

Prerequisites & Notes: MA 1125 or MA 1129.

Credits: 3 cr.

- ## MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS

An in-depth study of the chronological development of facets of mathematics up to the development of Calculus. The historical background of each facet is integrated with experience in mathematical study and application. Emphasis is placed on great mathematicians, their contributions, and their methods of reasoning, including the contributions of underrepresented groups and diverse cultures. Concepts of number, number systems, and the nature of axiomatic reasoning are also covered.

Prerequisites & Notes: Co-requisite: MA 3260.

Credits: 3 cr.

- ## MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS

An in-depth study of the chronological development of facets of mathematics beginning with the development of Calculus and continuing to the present day. The historical background of each facet is integrated with experience in mathematical study and application. Emphasis is placed on great mathematicians, their contributions, and their methods of reasoning, including the contributions of underrepresented groups and diverse cultures. Concepts of number, number systems, and the nature of axiomatic reasoning are also covered.

Prerequisites & Notes: Co-requisite: MA 3260.

Credits: 3 cr.

- ## MA 3308 - OPERATIONS RESEARCH

Examines the development and use of the techniques of research. Topics include linear programming, queuing theory, probabilistic inventory models, and simulation.

Prerequisites & Notes: MA 1125, MA 2232, MA 3260, MA 3280 or MA 3314.

Credits: 3 cr.

- ## MA 3310 - NUMERICAL ANALYSIS

A study of numerical methods for the solution of algebraic, transcendental, and differential equations, numerical integration and differentiation, and error analysis.

Prerequisites & Notes: MA 2232.

Credits: 3 cr.

- ## MA 3311 - DIFFERENTIAL EQUATIONS I

Techniques for solving ordinary differential equations, superposition principle, existence and uniqueness theorem, applications.

Prerequisites & Notes: MA 2232 (may be taken con-currently).

Credits: 3 cr.

- ## MA 3312 - DIFFERENTIAL EQUATIONS II

Additional work in partial differential equations and boundary value problems, numerical methods, qualitative treatment of differential equation in phase plane, stability issues.

Prerequisites & Notes: MA 3311 and MA 2233 (may be taken concurrently).

Credits: 3 cr.

- ## MA 3314 - APPLIED PROBABILITY AND STATISTICS

An introduction to applications of descriptive, inferential statistics, and probability. Descriptive statistics including frequency distributions, measures of location and variation; axioms of probability, probability (both theoretical and simulated), permutations, combinations, random variables, expected value, and decision making; probability distributions (both discrete and continuous), distribution functions, sampling and sampling distributions; statistical inferences concerning means, standard deviations, and proportions; analysis of variance, non-parametric methods, regression, correlation, planning surveys and experiments. (Addresses NCTM Standards 1 .5.6, 1 .5.7, and 1 .5.11 for Mathematics Education majors.)

Prerequisites & Notes: MA 1170 or MA 2232.

Credits: 3 cr.

- ## MA 3315 - APPLIED REGRESSION ANALYSIS

Simple and multiple regression will be used to analyze data. Residual analysis, indicator variables, and step-wise and polynomial regression. Computer software will be used to analyze data.

Prerequisites & Notes: MA 1125 or MA 3314.

Credits: 3 cr.

- ## MA 3324 - APPLIED MATHEMATICS

Illustrates the principles and basic styles of thought in solving physical problems by mathematical methods. Particle dynamics, heat and fluid flow, wave equations, vector, Fourier and tensor analysis.

Prerequisites & Notes: MA 2232 and MA 3280.

Credits: 3 cr.

- ## MA 3329 - UNIFORM GEOMETRIES

A study of the traditional modern geometries. Topics include: Euclid's postulate system with special focus on his Fifth Postulate, Hilbert's axiom system, the hyperbolic axiom system, spherical geometry, the Gauss-Bonnet theorem for triangles, and Klein's transformational geometry. MA 3329 and MA 3330 may both be taken for credit, and either course can be taken before the other.

Prerequisites & Notes: MA 3260 or permission of instructor.

Credits: 3 cr.

- ## MA 3330 - NON-UNIFORM GEOMETRIES

A study of the modern geometries leading up to the geometry of manifolds. Topics include: Euclid's "algebraic" propositions., Descartes' analytic geometry, the analytic approach to Euclidean geometry, Euclid's and Hilbert's axioms as theorems in analytic geometry, Euclid's Fifth Postulate and the birth of non-Euclidean geometry, Descartes' lost manuscript and the angle deficit, angle deficit and curvature, the polyhedral Gauss-Bonnet theorem, paper models of curved surfaces, and an introduction to Gaussian curvature and Riemannian geometry. MA 3329 and MA 3330 may both be taken for credit, and either course can be taken before the other.

Prerequisites & Notes: MA 3260 or permission of instructor.

Credits: 3 cr.

- ## MA 3335 - NUMBER THEORY

An analytical study of basic concepts including divisibility, congruence, quadratic reciprocity and Diophantine equations. Varied methods are stressed.

Prerequisites & Notes: MA 2232 and MA 3260.

Credits: 3 cr.

- ## MA 3345 - REAL ANALYSIS I

The real number system. Emphasis on the concepts and theoretical approach to calculus: functions, sequences, series, limits, continuity, derivatives, the Riemann integrals, and sequences of functions.

Prerequisites & Notes: MA 2233 and MA 3260.

Credits: 3 cr.

- ## MA 3348 - COMPLEX VARIABLES

A first course in complex variables. Complex numbers, analytic functions, elementary functions, mappings by elementary functions, integrals, power series, residues, poles, and conformal mappings.

Prerequisites & Notes: MA 2233.

Credits: 3 cr.

- ## MA 3361 - MODERN ALGEBRA - GROUPS

A study of abstract algebraic structures focusing on groups. Topics include: dihedral groups. cyclic groups, permutation groups, subgroups, cosets, quotient groups, homomorphisms, isomorphisms, cardinality, generators and relations, Lagrange's theorem, Cayley's theorem, the fundamental homomorphism theorem, the fundamental theorem for abelian groups, and applications of groups. MA 3361 and MA 3362 may both be taken for credit, and either course can be taken before the other.

Prerequisites & Notes: MA 3260 or permission of instructor.

Credits: 3 cr.

- ## MA 3362 - MODERN ALGEBRA - RINGS

A study of abstract algebraic structures focusing on rings. Topics include: rings, integral domains, fields, subrings, ideals, quotient rings, fields of quotients, the division algorithm, factorization of polynomials (reducibility and unique factorization), field extensions, and applications of rings/fields. MA 3361 and MA 3362 may both be taken for credit, and either course can be taken before the other.

Prerequisites & Notes: MA 3260 or permission of instructor.

Credits: 3 cr.

- ## MA 3371 - MATHEMATICAL STATISTICS I

Distributions of discrete and continuous random variables, expected values and moments, conditional probability and independence, special discrete and continuous distributions.

Prerequisites & Notes: MA 2233.

Credits: 3 cr.

- ## MA 3381 - TOPOLOGY

Introduction to point-set topology. Set theory, metric spaces, topological spaces, connectedness, and compactness.

Prerequisites & Notes: MA 2232 and MA 3260.

Credits: 3 cr.

- ## MA 4401 - SELECTED TOPICS

Selections from topology, algebra, real analysis, matrix theory, computer science or other junior or senior level topics. Active participation by the student is required.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 3 cr.

- ## MA 4402 - SEMINAR

Papers from the American Mathematical Monthly, comparable journals, and various references will be presented and discussed by the students. Continuous reading and participation will be required.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 3 cr. Notes: May be taken for a total of 6 credits.

[Archived Catalog]

Courses

Contract All Courses |

- ### MA 4450 - INTERNSHIP

Supervised and evaluated participation in the regular activities of a business, government, agency, or appropriate organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the internship.

Prerequisites & Notes: Recommendation by department faculty.

Credits: 3 - 12 cr. Notes: May be taken for 3 through 12 credits. No more than 6 credits count toward the major.

- ### MA 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ### MAP 1101 - VOICE CLASS I

Develops proper vocal production, poise, and confidence in solo singing. Remedial work for individual problems.

Credits: 1 cr.

- ### MAP 1103 - ADVANCED VOICE CLASS

Instruction in voice will be given on a level beyond MAP 1101 and 1102. Goals of the course: to improve technique, quality, and artistry of individual voices; and to focus class attention on common vocal problems and their remediation.

Credits: 1 cr.

- ### MAP 1115 - ADVANCED PIANO CLASS

Requires completion of the first piano proficiency and MU 3318. Focuses on skills necessary for vocal track music education majors, including four-part open score reading, preparing multiple accompaniments simultaneously, reducing and transposing

accompaniments to fit student needs, and site-reading. The course prepares students for the second piano proficiency, in which students perform multiple open-score excerpts, accompany solo vocalists, perform choral accompaniments, and sight-read both accompaniments and four-part open scores.

Prerequisites & Notes: MU 3318.

Credits: 1 cr.

- ## MAP 1121 - PIANO CLASS I

This class is intended for the beginning piano student with no previous piano background. Develops basic skills such as scales, reading bass and treble clefs simultaneously, simple chord progressions, ability to improvise harmonization patterns, and simple sight-reading.

Credits: 1 cr.

- ## MAP 1122 - PIANO CLASS II

Assumes completion of MAP 1121 or some level of previous piano training. Further development of basic skills, expanding scale knowledge to include all major scales and white-note minors, including arpeggios and basic chord progressions. Focus on improvising accompaniment patterns, learning basic repertoire quickly, and enhanced sight-reading skills.

Prerequisites & Notes: MAP 1121 with grade of C or better or departmental approval.

Credits: 1 cr.

- ## MAP 1123 - PIANO CLASS III

Assumes completion of MAP 1122 or substantial previous piano training. Includes a more in-depth focus on improvisation using more complex harmonic progressions. Increases fluency of scales, chords and arpeggios, and develops students' abilities to prepare and perform repertoire, and to further improve sight-reading skills. The course culminates in the first piano proficiency.

Prerequisites & Notes: MAP 1122 with grade of C or better or departmental approval.

Credits: 1 cr.

- ## MAP 1124 - PIANO CLASS IV

Requires completion of the first piano proficiency. Focuses on skills necessary for vocal track music education majors, including 3-part open score reading, preparing choral and solo accompaniments, reducing and transposing accompaniments to fit student needs, and sight reading.

Prerequisites & Notes: Completion of the First Piano Proficiency.

Credits: 1 cr.

- ## MAP 1125 - PIANO CLASS V

Focuses on skills necessary for vocal track music education majors, including 4-part open score reading, preparing choral and solo accompaniments, reducing and transposing difficult accompaniments to fit student needs, and sight reading.

Prerequisites & Notes: MAP 1124 with a grade of C or better.

Credits: 1 cr.

- ## MAP 1135 - WOODWIND CLASS

Studies the fundamental principles and techniques necessary for playing and teaching the flute, clarinet, saxophone, oboe, and bassoon. Study of the literature appropriate for beginning class instruction

Credits: 2 cr.

- ## MAP 1145 - BRASS CLASS

Studies the fundamental principles and techniques necessary for playing and teaching the trumpet, horn, trombone, euphonium, and tuba. Study of the literature appropriate for beginning class instruction.

Credits: 2 cr.

- ## MAP 1155 - STRING CLASS

Studies the fundamental principles and techniques necessary for playing and teaching the violin, viola, cello, and bass. Study of literature appropriate for beginning class instruction.

Credits: 2 cr.

- ## MAP 1156 - GUITAR CLASS

Beginning study of the guitar focusing on accompaniment skills needed for use of the guitar in the music classroom.

Credits: 2 cr.

- ## MAP 1158 - GUITAR CLASS II

Continuation of 1157. More advanced work in techniques and corresponding literature.

Credits: 1 cr.

- ## MAP 1161 - PERCUSSION CLASS

Studies the characteristics for the various percussion instruments; performance techniques: development of performing ability necessary to teach the percussion instruments at the elementary and secondary level of instruction.

Credits: 1 cr.

- ## MAP 2200 - VOICE SECONDARY

Voice secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2210 - PIANO SECONDARY

Piano secondary - one half-hour lesson each week and weekly studio class.

Credits: 2cr.

- ## MAP 2215 - CONDUCTING SECONDARY

Conducting Secondary-one half-hour lesson each week.

Prerequisites & Notes: Prerequisites: MU-3330 or MU-3331.

Credits: 2cr

- ## MAP 2220 - ORGAN SECONDARY

Organ secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2230 - FLUTE SECONDARY

Flute secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2231 - OBOE SECONDARY

Oboe secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2232 - CLARINET SECONDARY

Clarinet secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2233 - BASSOON SECONDARY**

Bassoon secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2234 - SAXOPHONE SECONDARY**

Saxophone secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2240 - TRUMPET SECONDARY**

Trumpet secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2241 - HORN SECONDARY**

Horn secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2242 - TROMBONE SECONDARY**

Trombone secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2243 - EUPHONIUM SECONDARY**

Euphonium secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2244 - TUBA SECONDARY**

Tuba secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- **MAP 2250 - VIOLIN SECONDARY**

Violin secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2251 - VIOLA SECONDARY

Viola secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2252 - CELLO SECONDARY

Cello secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2253 - BASS SECONDARY

Bass secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2257 - GUITAR SECONDARY

Guitar secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 2260 - PERCUSSION SECONDARY

Percussion secondary - one half-hour lesson each week and weekly studio class.

Credits: 2 cr.

- ## MAP 3270 - APPLIED MUSIC COMPOSITION

The study and application of composition techniques within the context of an individualized private lesson. New compositions will be developed and produced for public performance. Expertise in the composition of serious art music may be used in career musical capacities and in a graduate school of music.

Prerequisites & Notes: Successful completion of Basic Music I-IV theory sequence and/or permission of instructor.

Credits: 2 cr. Notes: May be repeated for a total of 7 credits over multiple semesters.

- ## MAP 3300 - VOICE

Voice - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- ## MAP 3310 - PIANO

Piano - One-half hour of lesson and fifty-minute group studio class per week.

Credits: 1- 2 cr.

- ## MAP 3330 - FLUTE

Flute - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- ## MAP 3331 - OBOE

Oboe - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- ## MAP 3332 - CLARINET

Clarinet - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- ## MAP 3333 - BASSOON

Bassoon - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- ## MAP 3334 - SAXOPHONE

Saxophone - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- ## MAP 3340 - TRUMPET

Trumpet - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- **MAP 3341 - HORN**

Horn - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- **MAP 3342 - TROMBONE**

Trombone - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- **MAP 3343 - EUPHONIUM**

Euphonium - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- **MAP 3344 - TUBA**

Tuba - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- **MAP 3350 - VIOLIN**

Violin - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- **MAP 3351 - VIOLA**

Viola - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- **MAP 3352 - CELLO**

Cello - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- **MAP 3353 - BASS**

Bass - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- ## MAP 3357 - GUITAR

Guitar - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1 - 2 cr.

- ## MAP 3360 - PERCUSSION

Percussion - One-half hour lesson and one fifty-minute group studio class per week.

Credits: 1- 2 cr.

- ## MAP 4400 - VOICE

Voice - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4410 - PIANO

Piano- One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4430 - FLUTE

Flute - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4431 - OBOE

Oboe - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4432 - CLARINET

Clarinet - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4433 - BASSOON**

Bassoon - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4434 - SAXOPHONE**

Saxophone - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4440 - TRUMPET**

Trumpet - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4441 - HORN**

Horn - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4442 - TROMBONE**

Trombone - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4443 - EUPHONIUM**

Euphonium - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- **MAP 4444 - TUBA**

Tuba - One-hour lesson and one fifty-minute group studio classes per week.

Credits: 3 - 4 cr.

- **MAP 4450 - VIOLIN**

Violin - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4451 - VIOLA

Viola - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4452 - CELLO

Cello - One-hour lesson and one fifty-minute group studio class per week

Credits: 3 - 4 cr.

- ## MAP 4453 - BASS

Bass - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4457 - GUITAR

Guitar - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4460 - PERCUSSION

Percussion - One-hour lesson and one fifty-minute group studio class per week.

Credits: 3 - 4 cr.

- ## MAP 4470 - RECITAL

A formal public recital given in the major performing medium represents the culmination of study in the applied area.

Credits: 2 - 4 cr.

- ## MEN 0000 - RECITAL ATTENDANCE

Recital attendance is designed to 1) place students in formal concerts for their peers on Thursdays, 2) have students hear professional performances during the semester, and 3) meet as a studio master class on Tuesdays.

Credits: 0 cr.

- **MEN 3300 - CONCERT CHOIR**

A select mixed choir of about 55 voices. Rehearses four hours a week on choral literature spanning five centuries and in a variety of languages. Joins with Festival chorus to form an ensemble for women and men each fall and takes an annual tour in the spring. The group has performed at state, regional and national conventions, has produced numerous recordings, and tours internationally every three years. Audition required.

Credits: 1 cr.

- **MEN 3301 - FESTIVAL CHORUS**

A mixed chorus of over 100 voices; open to all university students as well as community singers. The group rehearses three hours a week and performs a wide variety of choral styles in the fall semester and major choral works with professional soloists and orchestra during the spring semester. Members of the group also join with the Concert Choir to form separate women's and men's choruses in the fall semester. The Festival Chorus has produced numerous recordings. Students must vocalize for placement into the soprano, alto, tenor, or bass sections.

Credits: 1 cr.

- **MEN 3302 - OPERA WORKSHOP**

The study and performance of operatic scenes or full scale operatic productions chosen according to the abilities of the students in the workshop. Under supervision, students perform in, musically direct, coach, accompany, conduct and stage direct various scenes.

Credits: 1 cr. Dual Listed/Cross Listed: MEN 5502.

- **MEN 3303 - MANSFIELDIANS**

A highly select small ensemble specializing in vocal jazz and chamber choir music. The Mansfieldians tour with the MU Jazz Ensemble each year. The group also gives an annual holiday dinner concert and makes frequent guest appearances on behalf of the university. Rehearses three hours a week. An audition is required.

Credits: 1 cr.

- **MEN 3304 - CHAMBER SINGERS**

A highly select vocal ensemble of 12-20 voices established for the study and performance of repertoire from the vocal chamber idiom. Literature includes madrigals & motets from the 16^{th} and 17^{th} centuries, Bach cantatas, part-songs of the 18^{th} and 19^{th} centuries, and contemporary selections. The ensemble performs both on and off campus. An audition is required for membership.

Credits: 1 cr.

- **MEN 3306 - MUSICAL THEATRE PRODUCTION**

The study and performance of a full-scale musical production done in conjunction with the department of speech, communications and theatre. Students will participate in all performance and technical aspects of the production.

Credits: 1 cr.

- ## MEN 3310 - PIANO ENSEMBLE

Studies and performs two-piano and four-hand literature, chamber music, sonatas, and trios, including accompaniment of standard instrumental and vocal literature.

Credits: 1 cr.

- ## MEN 3330 - CONCERT WIND ENSEMBLE

A select ensemble of wind and percussion players. Concerts given on and off campus. Membership is open to all university students by audition.

Credits: 1 cr.

- ## MEN 3331 - MOUNTIE MARCHING BAND

Performs at all home games, travels for recruitment and promotion of MU and hosts the Mansfield University band day, as well as special functions, and international events.

Credits: 1 cr.

- ## MEN 3332 - SYMPHONIC BAND

Studies a wide variety of band literature and presents concerts on campus. Membership is open to all university students. Auditions are for seating purposes only.

Credits: 1 cr.

- ## MEN 3333 - WOODWIND ENSEMBLE

Study and performance of representative works for various woodwind ensembles. One woodwind quintet and one sax quintet take an annual tour.

Credits: 1 cr.

- ## MEN 3334 - BRASS ENSEMBLE

Study and performance of representative works for various combinations of brass instruments.

Credits: 1 cr.

- ## MEN 3335 - CONCERT JAZZ BAND

Performs on-campus several times each year, as well as, touring and performing concerts off-campus. Membership by audition.

Credits: 1 cr.

- **MEN 3336 - SMALL JAZZ AND COMMERCIAL ENSEMBLES**

Provides the opportunity for students to gain supervised experience in performing jazz and other current professional music idioms in small groups.

Credits: 1 cr. Dual Listed/Cross Listed: MEN 5536.

- **MEN 3337 - JAZZ LAB BAND**

The Jazz Lab Band is intended to introduce the student to large ensemble jazz styles through the performance of traditional and modern arrangements. The ensemble performs at least two concerts per year. Membership is by audition.

Credits: 1 cr.

- **MEN 3338 - BRASS BAND**

Opportunities to study a wide variety of traditional, British brass band literature and presents concerts on and off campus. Brass band instruments include cornet, flugelhorn, alto horn, baritone, euphonium, trombone, E-flat & BB-flat tuba, and percussion-most of which are provided by the university. Membership is open to all university students by audition with the course instructor. Membership is limited to instrumentation for a preset 26-29 piece ensemble.

Credits: 1cr.

- **MEN 3350 - ORCHESTRA**

The Mansfield University Symphony Orchestra provides an opportunity for experienced university and community musicians to participate in the performance of standard symphonic literature. The orchestra presents concerts each semester, accompanies outstanding student soloists, and is a touring ensemble.

Credits: 1 cr.

- **MEN 3351 - STRING ENSEMBLE**

Study and performance of standard literature for string ensembles.

Credits: 1 cr.

- **MEN 3352 - STRING CHAMBER ORCHESTRA**

The Mansfield University String Chamber Orchestra offers string players the opportunity to study and perform the standard string orchestra repertory of the great masters, as well as to play and become acquainted with the large graded music education repertory. Weekly rehearsals will cover this repertory and prepare the ensemble for performances on and off campus. Membership is by audition.

Credits: 1 cr.

- ## MEN 3357 - GUITAR ENSEMBLE

Introduction to the technique and repertoire of guitar ensemble music and ensemble performance skills.

Credits: 1 cr.

- ## MEN 3360 - PERCUSSION ENSEMBLE

Study and performance of representative works for all combinations of percussion instruments.

Credits: 1 cr.

- ## MGT 2230 - MANAGEMENT PRINCIPLES

Explains the world of professional management, and has the basic management functions of planning, organizing, leading, and controlling. An emphasis on the contemporary challenges facing management: Quality, ethics, global issues and information technology.

Credits: 3 cr.

- ## MGT 3315 - EHTICS and MANAGERIAL DECISION MAKING

The course provides a comprehensive and practical coverage of the ethical issues arising in managerial decision making. It prepares students within the business fields with knowledge about ethical issues that arise specifically and across these fields. It includes knowledge and best practices from business and public policy decisions from governmental and international entities. Using a managerial framework, ethics will be integrated into strategic business decisions in order to prepare students for the issues and challenges that they will face throughout their business career.

Credits: 3 cr.

- ## MGT 3325 - BUSINESS LEADERSHIP

This course provides a broad overview of the new context of business leadership, with an emphasis on the theories and research findings that offer important insights and practical knowledge about effective leadership in formal business organizations. It offers a set of leadership practices based on the real world experiences of business managers who assumed the role of business leadership effectively.

Prerequisites & Notes: BUS 2230 or MGT 2230.

Credits: 3 cr.

- ## MGT 3360 - INTERNATIONAL MANAGEMENT

Presents in-depth description of the emerging field of international management. Comprehensive coverage of both the strategic and behavioral dimensions of international management. Exploring key cultural issues and problems in management across frontiers related to leadership, decision making, motivation and control. It deals with the unique managerial risks and challenges resulting from complicated economic, legal-political and sociocultural forces.

Prerequisites & Notes: Prerequisite: 40 earned credits.

Credits: 3 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

  An examination of theories, concepts, and research findings emerging from the various disciplines which study individual and group behavior within organizational systems.

  Prerequisites & Notes: BUS 2230 or MGT 2230.

  Credits: 3 cr.

- ### MKT 3330 - MARKETING

  An introduction to the field of marketing. A study of satisfying customer needs for goods and services. Topics include designing marketing strategies, understanding buyers and markets, target market selection, and issues related to product, distribution, promotion and price decisions.

  Prerequisites & Notes: 25 earned credits.

  Credits: 3 cr.

- ### MKT 3332 - PROMOTION IN MARKETING

  This course provides the student with an understanding of basic marketing principles and training for entry-level job positions in the exciting, constantly changing fields of advertising and promotion. Students will learn different advertising methods to reach target audiences including, newspaper, radio, TV, internet mail, outdoor and special promotion events. Specific skills will help students to create, produce, and effectively evaluate different advertising and promotional strategies.

  Prerequisites & Notes: MKT 3330.

  Credits: 3 cr.

- ### MKT 3334 - MARKETING RESEARCH

  The theory and application of marketing researches a tool for the decision-making process. Special emphasis on problem definition, research design, sampling procedure, data collection, statistical analysis, interpretation of data and reporting of research findings.

Prerequisites & Notes: BUS 3330 or MKT 3330 and MA 1125.

Credits: 3 cr.

- ## MKT 3370 - SALESMANSHIP

Provides students with entry level skills for a position in sales. Recognizes the necessary skills and characteristics that contribute toward greater sales effectiveness. Stresses the importance of establishing realistic goals and objectives; to manage your time and selling activities more effectively. The primary objective, however, is to gain an understanding of personal selling as a major function within the marketing and promotional mix of a firm.

Credits: 3 cr.

- ## MKT 4415 - MARKETING MANAGEMENT

An in-depth examination of contemporary micro and macro marketing systems. Examines functional marketing decisions through the application of behavioral concepts, quantitative tools, and systems theory. Also presents advanced marketing techniques used by marketing organizations. Looks at individual behavior in order to evaluate the buying behavior of consumers with the objective of tailoring marketing strategies to meet consumers' needs and wants.

Prerequisites & Notes: BUS 3330 or MKT 3330 and junior standing or permission of instructor.

Credits: 3 cr.

- ## MKT 4422 - INTERNATIONAL MARKETING

Examines the application of marketing concepts and strategies in the global markets. Emphasis is on adjusting and adapting a marketing program to foreign markets. Provides an understanding of differences between markets in different countries, its politics, legal, culture, trade practices, geography, and commercial policies. Studies export and import procedures and practices.

Prerequisites & Notes: BUS 3330 or MKT 3330 or permission of instructor.

Credits: 3 cr.

- ## MKT 4423 - BUSINESS-TO-BUSINESS MARKETING

In the business market, the customers are organizations (businesses, governments, and institutions) and these customers represent a huge market opportunity. This course will introduce students to business-to-business marketing by identifying the distinctive characteristics of the business market, exploring the way in which organizations make buying decisions, and isolating the requirements for marketing strategy success.

Prerequisites & Notes: BUS 3330 or MKT 3330.

Credits: 3 cr.

- **MKT 4426 - E-MARKETING**

This course is a comprehensive examination of e-marketing. Covers the skills and knowledge to develop and implement e-marketing strategies for segmenting, targeting and positions. In addition, marketing mix functions and customer relationship management will be explored in an online environment.

Prerequisites & Notes: 45 earned credits.

Credits: 3 cr.

- **MRI 3100 - INTRODUCTION TO MAGNETIC RESONANCE IMAGING**

This course includes a brief history of MRI as well as an introduction to MRI instrumentation, safety principles, patient positioning and imaging equipment. Pharmacology, venipuncture, and I.V. contrast media administration will also be covered.

Prerequisites & Notes: All XRT coursework. Co-Requisites: MRI-3101 MRI-3201 MRI-3210. MRI Majors only.

Credits: 3cr

- **MRI 3101 - MRI CLINICAL I**

This course is an introduction to MRI clinical practice. This course emphasizes departmental procedures, MRI safety and patient care, and provides experience in the application of health care principles.

Prerequisites & Notes: All XRT coursework. Co-Requisites: MRI-3100 MRI-3201 MRI-3210. MRI Majors only.

Credits: 3 cr

- **MRI 3103 - MRI CLINICAL II**

This course continues the student's experience in MRI clinical practice and reinforces patient care, safety and imaging procedures.

Prerequisites & Notes: Take MRI-3101. Co-requisites: MRI-3220 MRI-3203, MRI-3212. MRI Majors only.

Credits: 3 cr

- **MRI 3105 - MRI CLINICAL III**

This course enforces experiences learned in MRI 3103. Advanced imaging exams are performed on a variety of patient types. This course prepares students to become entry-level MRI technologists.

Prerequisites & Notes: Take MRI-3103. Co-Requisite MRI-3300. MRI Majors only.

Credits: 3 cr

- ## MRI 3201 - MRI CROSS-SECTIONAL ANATOMY AND IMAGING PROCEDURES I

This course covers anatomy seen in multiple orthogonal planes including head, spine, neck, and thorax. Bone, muscle, vascular structures, organs and soft tissues are examined. Discussion on imaging techniques and procedures.

Prerequisites & Notes: All XRT coursework. Co-Requisites: MRI-3101 MRI-3100 MRI-3210. MRI Majors only.

Credits: 3 cr

- ## MRI 3203 - MRI CROSS-SECTIONAL ANATOMY AND IMAGING PROCEDURES II

This course is a continuation of MRI 3201. Anatomy and imaging procedures for the abdomen, pelvis, upper and lower extremities will be studied as well as their associated structures.

Prerequisites & Notes: Take MRI-3201, MRI-3100, MRI-3210. Co-Requisites: MRI-3103, MRI-3220, MRI-3212. MRI Majors only.

Credits: 3 cr

- ## MRI 3210 - MRI PHYSICS AND INSTRUMENTATION I

This course is a comprehensive overview of MR principles to include: MR signal production, tissue characteristics, widely used pulse sequences, image formation, and image contrast.

Prerequisites & Notes: All XRT Coursework.Co-Requisites: MRI-3100 MRI-3101 MRI-3201. MRI Majors only

- ## MRI 3212 - PATHOLOGY

This course covers common pathologies seen in MRI. Etiology, signs and symptoms, and appearance of pathology are discussed.

Prerequisites & Notes: Take MRI-3201 MRI-3100 & MRI-3210. Co-Requisites: MRI-3103 MRI-3203 MRI-3220. MRI Majors only.

Credits: 3 cr

- ## MRI 3220 - MRI PHYSICS AND INSTRUMENTATION II

This course is a continuation of MRI 3210. This course includes a study of encoding, data acquisition, image formation, and pulse sequences. An introduction to MRA and cardiac MRI is included as well as quality assurance practices.

Prerequisites & Notes: Take MRI-3210. Co-Requisites: MRI-3103 MRI-3203 MRI-3212. MRI Majors only.

Credits: 3 cr

- ## MRI 3300 - MRI SEMINAR REVIEW

This course addresses the registry application process and provides a comprehensive program review in preparation for the ARRT

certification examination.

Prerequisites & Notes: Take MRI-3103 MRI-3203 MRI-3220 MRI-3212. Co-Requisites: MRI-3105. MRI Majors only.

Credits: 3 cr

- ## MS 1115 - LEADERSHIP AND PERSONAL DEVELOPMENT

This is an introductory course open to all students without obligation. It focuses on the military as a profession and examines its organization, ethics and values. The course explores the responsibilities and impact of leadership and the rules, customs and traditions of military service. Students are introduced to the fundamentals of land navigation, physical fitness, drill and ceremonies, first aid and public speaking.

Credits: 1 cr.

- ## MS 1125 - INTRODUCTION TO TACTICAL LEADERSHIP

Open to all students without obligation. The course explores leadership principles, decision-making and team building. Students are introduced to tactical systems and the field environment. Students learn advanced techniques in land navigation, terrain association, and first aid. Students also begin their program in professional military reading.

Credits: 1 cr.

- ## MS 2215 - INNOVATIVE TEAM LEADERSHIP

Open to all students without obligation. The course continues the basic leader development process and focuses on applying the fundamentals of leadership and team-building skills. Students gain an understanding of small team dynamics and the roles and responsibilities of junior leaders. It further reinforces the ideals of service, ethics and values, and develops students' confidence in their own skills, knowledge and attributes.

Credits: 1 cr.

- ## MS 2225 - FOUNDATIONS OF TACTICAL LEADERSHIP

Open to all students without obligation. The course continues the application of leadership and team-building principles. Proficiency in individual skills and leadership abilities is assessed during situational training to evaluate students in leadership roles. Advanced techniques in problem analysis, planning and organizing, delegation, interpersonal skills, sound decision making , and small team operations are emphasized.

Credits: 1 cr.

- ## MS 3315 - INTRODUCTION TO TEAM DYNAMICS

Expands and refines the leader development process. This is an intensive program to prepare cadets for tasks, skills and responsibilities associated with Leader Development and Assessment Course (LDAC). Cadets are trained and evaluated on the full range of leadership skills and attributes. Written and oral communication skills, motivational behavior, interpersonal skills,

administrative procedures, decision-making and military field skills are emphasized.

Credits: 3 cr.

MS 3325 - LEADERSHIP IN CHANGING ENVIRONMENTS

Expands on the skills introduced in MS-3315 and incorporates increasingly challenging situations involving military technical, tactical and leadership skills. Advanced training in marksmanship and physical fitness is emphasized. Course culminates with several field training exercises where students are placed in simulated combat and evaluated on performance. Course is designed to bring cadets to peak proficiency in physical conditioning and leadership ability.

Prerequisites & Notes: MS 3315.

Credits: 3 cr.

MS 4401 - MILITARY SCIENCE LEADERSHIP I

4401 transitions the focus of student learning from being trained, mentored and evaluated as an MSL III Cadet to learning how to train, mentor and evaluate underclass Cadets. MSL IV Cadets learn the duties and responsibilities of an Army staff officer and apply the Military Decision Making Process, Army Writing Style, and the Army's Training Management and METL Development processes during weekly Training Meetings to plan, execute and assess battalion training events. Cadets learn safely conduct training by understanding and employing the Composite Risk Management Process. Cadets learn how to use the Comprehensive Soldier Fitness (CSF) program to reduce and manage stress.

Prerequisites & Notes: MS 3325

Credits: 3crs.

MS 4402 - MILITARY SCIENCE LEADERSHIP 2

4402 is a continuation of MS 4401, which transitions the focus of student learning from being trained, mentored and evaluated as an MSL III Cadet to learning how to train, mentor and evaluate underclass Cadets. MSL IV Cadets learn the duties and responsibilities of an Army staff officer and apply the Military Decision Making Process, Army Writing Style, and the Army's training Management and METL Development processes during weekly Training Meetings to plan, execute and assess battalion training events. Cadets learn to safely conduct training by understanding and employing the Composite Risk Management Process. Cadets learn how to use the Comprehensive Soldier fitness (CSF) program to reduce and manage stress.

Prerequisites & Notes: MS 3325 & MS 4401

Credits: 3crs.

MS 4497 - INDEPENDENT STUDY

Independent Study

Variable Credits: 1-3cr

- **MU 1100 - FOUNDATIONS OF MUSIC EDUCATION**

This course provides an introduction to professional careers in music education. Students examine teaching responsibilities, attributes of a successful teacher, and the process of teaching and learning music in grades PreK-12, with Pre-K lab experience. Additional topics include certification requirements, historical and philosophical foundations of music education, frameworks for teaching, emerging technology in music education and creating a professional portfolio.

Credits: 3 cr.

- **MU 1101 - INTRODUCTION TO MUSIC**

This course is designed to help students develop an ability to understand and enjoy “Classical” music. Students will study principal vocal and instrumental music in classical form from the early Baroque period to the present time. Jazz, rock, or other popular genres will not be covered in this course. Music reading skill is not required to succeed in this class. Since this class is designed to serve a general university population, a variety of musical backgrounds and experiences is expected and encouraged.

Credits: 3 cr.

- **MU 1103 - INTRODUCTION TO MUSIC FUNDAMENTALS**

An overview of music theory fundamentals, including notes, key signatures, scales, intervals, triads, Mm seventh chords, and rhythm.

Credits: 1 cr.

- **MU 1105 - INTRODUCTION TO MUSIC TECHNOLOGY**

An introduction to music technology software and hardware, focused on basic recording, sound reinforcement, and desktop music production systems. Lab activities will place an emphasis on the operation and components of the typical MIDI lab (hardware and software) and basic concert hall sound systems. Students will complete independent projects in audio production, music notation, and MIDI sequencing.

Credits: 2 cr.

- **MU 1107 - BASIC GROUP PIANO**

The study of basic piano performance skills and techniques. Students will learn to play a variety of scales, exercises, and musical pieces on piano. Students will also become familiar with common piano nomenclature and basic music notation. No experience playing an instrument or reading music is necessary.

Credits: 1cr Notes: Restricted from Music Majors.

- **MU 1108 - BASIC GROUP VOICE**

The study of basic voice performance skills and techniques. Students will learn to sing a variety of scales, exercises, and musical pieces utilizing their voice. Students will also become familiar with common vocal nomenclature and basic music notation. No experience playing an instrument or reading music is necessary.

Credits: 1cr. Notes: Restricted from Music Majors.

- ## MU 1109 - BASIC GROUP GUITAR

The study of basic guitar performance skills and techniques. Students will learn to play a variety of scales, exercises, and musical pieces on guitar. Students will also become familiar with common guitar nomenclature and basic music notation. No experience playing an instrument or reading music is necessary.

Credits: 1cr. Notes: Restricted from Music Majors.

- ## MU 1117 - INTERMEDIATE GROUP PIANO

The study of basic piano performance skills and techniques beyond those learned in MU 1107 Basic Group Piano. Students will learn to play a variety of scales, exercises, and musical pieces on piano. Students will also become familiar with common piano nomenclature and music notation.

Prerequisites & Notes: Take MU-1107.

Credits: 1cr

- ## MU 2201 - INTRODUCTION TO JAZZ

Studies the evolutionary history of jazz from the earliest African and European influences to the present. Emphasizes listening experiences and develops an awareness of the unique role of jazz in American culture.

Credits: 3 cr.

- ## MU 2202 - HISTORY OF ROCK N' ROLL, POP, AND SOUL

Focus on the musical elements, historical aspects, and styles of 20th century and 21st century popular music with an emphasis on the genres of Rock n' Roll, Soul and Pop music. It will explore the social, technological, and cultural backgrounds that influenced the development of these musical styles.

Credits: 3 cr.

- ## MU 2203 - MUSIC AND THE SOUNDS OF FILM

Examines music and film, how the music interacts with sound and dialogue, and how music and film has changed with advances in film technology.

Credits: 3 cr.

- ## MU 2205 - WOMEN IN MUSIC

The study of women composers and performers through reading and recordings, including western and non-western music traditions.

Credits: 3 cr.

- ## MU 2211 - BASIC MUSIC I

Development of vocabulary; study of modes, scales, harmonic rhythmic, and composition techniques. Supportive examples selected from all periods of music. Sight singing and dictation. May be repeated for a total of 6 credits.

Credits: 3 cr.

- ## MU 2212 - BASIC MUSIC II

Continuation of MU 2211. The study of diatonic harmony with emphasis on the phrase model. Emphasis on cadences, choral harmonization, figured bass, sequences, and analysis approached through written material, sight singing, and dictation.

Prerequisites & Notes: Grade of C or better in MU 2211.

Credits: 3 cr.

- ## MU 2220 - WESTERN MUSIC UNTIL 1750

Surveys Western European musical literature and styles beginning with the early Christian era through the Renaissance and Baroque.

Credits: 3 cr.

- ## MU 2230 - ACTING FOR SINGERS

Group instruction in acting for singers with little or no background in the discipline. An introduction to the basics of acting and performance, specializing in acting techniques, style, musicianship, memorization, interpretation, and repertoire, with an emphasis on techniques useful to the vocal performance and music education major who will perform and/or produce musical theater in the school. A final performance will be given at the end of the semester.

Prerequisites & Notes: Permission of the instructor by audition appointment.

Credits: 1cr. Notes: Can be taken a maximum of two times for credit.

- ## MU 2240 - BASIC PIANO TUNING

An introduction to the trade and history of piano tuning with an emphasis on basic tuning techniques and simple repair issues for the piano. Pianos will be provided as class projects for tuning and repair.

Credits: 1cr.

- ## MU 2250 - BASIC CONDUCTING

Lecture and laboratory experiences with basic conducting techniques. Special emphasis on speaking and moving to rhythms. Students conduct class as a music ensemble.

Prerequisites & Notes: Grade of C or better in MU 2212

Credits: 1 cr.

- ## MU 3221 - CLASSIC AND ROMANTIC MUSIC

Surveys Western European musical literature and musical styles of the Classic and Romantic Eras.

Prerequisites & Notes: MU 2220. Music majors must earn a grade of C or better in MU 2220.

Credits: 3 cr.

- ## MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC

Surveys Western European and American musical literature and musical styles beginning with the Post-Romantic Era through main currents of 20th-century composition.

Prerequisites & Notes: MU 3221 or permission of instructor. Music majors must earn a grade of C or better in MU 3221.

Credits: 3 cr. Notes: May be taken for 2 or 3 credits only.

- ## MU 3241 - GENERAL MUSIC METHODS K-12

Studies the developmental and musical characteristics of children ages 5-18. Emphasizes teaching the elements of music through age-appropriate activities. Includes a survey of current materials as well as observation/participation in the local schools. Particular attention is given to curricular development for general music classes and elective courses in grades K-12.

Prerequisites & Notes: MU 1100, MU 2212 and Pre-Professional Experience I - non-music observations.

Co-requisites: MU-3241L

- ## MU 3241L - GENERAL MUSIC METHODS LAB

General Music Methods Lab

Prerequisites & Notes: Co-requisites: MU 324L

Credits: 0 cr.

- ## MU 3261 - FUNDAMENTALS OF JAZZ IMPROVISATION I

Beginning course in jazz improvisation. Study of fundamental chord types and appropriate scales/modes. Concentration will be on the blues form and diatonic harmony in major keys. Focus in on generating melodic lines in the jazz idiom based on goal notes, i.e. chord

tones.

Credits: 2 cr.

- ## MU 3262 - FUNDAMENTALS OF JAZZ IMPROVISATION II

Continuation of 3261. Study of more complex chord extensions and/or alterations and appropriate scales/modes. Concentration will be on the II-V-I progression in both major and minor keys. Focus will again be on generating melodic lines in the jazz idiom based on goal notes, i.e. chord tones.

Credits: 2 cr.

- ## MU 3291L - HIGH INCIDENCE DISABILITES - MUSIC LAB

The focus of this course will be the application of information taught in SPE 3291; specifically instruction with needed modifications and development of adaptations and accommodations for the PreK-12 classroom; observations, development of adapted lesson plans and materials and teaching experiences will be included. Lab to be taken concurrently with SPE 3291.

Prerequisites & Notes: Prerequisite: MU 3241. Corequisite: SPE 3291.

Credits: 0 cr.

- ## MU 3301 - WORLD MUSICS

Music of various continents are explored with particular emphasis on each tradition's cultural function. Provides the fundamental research and comparative skills needed to understand and listen to selected non-western music. Includes discussions of how Western art and popular music incorporate these styles.

Credits: 3 cr.

- ## MU 3305 - TECHNOLOGY IN MUSIC EDUCATION

Studies current trends in technology for the music classroom. Special focus on educational software, online resources, Smartboard, notation software, and application to the music classroom and ensemble rehearsal.

Prerequisites & Notes: MU 1100.

Credits: 1 cr.

- ## MU 3311 - BASIC MUSIC III

Continuation of MU 2212. The study of modulation and chromatic harmony approached through written material, sight singing, and dictation.

Prerequisites & Notes: MU 2211 and grade of C or better in MU 2212.

Credits: 3 cr.

- ## MU 3312 - BASIC MUSIC IV

Continuation of MU 3311 . An introduction to the study of musical form and structure including variations, rondo, and sonata form. Examination of late nineteenth-and twentieth-century harmonic practice through written work, sight singing, and dictation.

Prerequisites & Notes: MU 2211 and grade of C or better in MU 3311.

Credits: 3 cr.

- ## MU 3313 - ELECTRONIC MUSIC I

Survey of electroacoustic music technology with emphasis on MIDI applications. Provides hands-on experience with computer-based sequencing and music notation.

Prerequisites & Notes: Prerequisite: MU 2212.

Credits: 2 cr.

- ## MU 3314 - COMPUTER-BASED MUSIC NOTATION

This course provides hands-on instruction in computer-based music notation. Software such as Finale, Sibelius, Band-in-a-Box, Overture and Administrative applications are explored.

Credits: 1 cr.

- ## MU 3315 - ORCHESTRATION

Designed to provide the basic skills of notation, parts extraction, transposing and arranging, in addition to information on instrumental ranges, qualities, and usages. Strings, woodwinds, and brass are treated as distinct families. Provides a fluent understanding of skills and concepts and, as a by-product, the student will become more aware of score reading and audio awareness. Good manuscript habits will make it possible for musicians to read new music and students will be able to use these skills in graduate school.

Prerequisites & Notes: MU 3312 or permission of instructor.

Credits: 3 cr.

- ## MU 3323 - STUDIES IN KEYBOARD LITERATURE

Study of keyboard literature from the late Renaissance to the present day.

Credits: 3 cr.

- ## MU 3330 - CHORAL CONDUCTING

Prepares the future music educator to organize, teach, and conduct choral organizations of varying levels of achievement, particularly junior and senior high school age groups. Experience in conducting the class as a chorus is integral to the course.

Prerequisites & Notes: MU 2212, MU 2250 and MAP 1123.

Credits: 3 cr.

- ## MU 3331 - INSTRUMENTAL CONDUCTING

Prepared for conducting instrumental groups. Emphasis on communicative and control techniques of conducting and rehearsal and performance techniques. Experience through conducting a laboratory band and orchestra. Videotaping is utilized extensively with each individual.

Prerequisites & Notes: MU 2212, MU 2250 and MAP 1123.

Credits: 3 cr. Dual Listed/Cross Listed: MU 5551.

- ## MU 3351L - BEHAVIOR MANAGEMENT LAB

The focus of this course will be the application of information taught in SPE 3351; specific instruction with needed modifications and development of adaptations and accommodations for the PreK-12 Music classroom; observations, development of adapted lesson plans and materials and teaching experiences will be included. Lab will be taken concurrently with SPE 3351-Behavior Management.

Prerequisites & Notes: Take MU 3241,and SPE 2350. Music Education mjaors only.

Co-requisite SPE 3351.

Credits: 0 cr.

- ## MU 3352 - DICTION I FOR SINGERS

This course will use the International Phonetic Alphabet (IPA) to present a systematic approach to the pronunciation of vocal literature in Italian, Latin, and German, examining those elements of pronunciation which must be modified from the spoken language into the singing language. The course will require solo and group preparation of songs in each language, including precise translations for foreign language literature and will provide for class criticism and discussion of performance in an effort to develop critical hearing.

Credits: 2 cr.

- ## MU 3353 - DICTION II FOR SINGERS

This course will use the International Phonetic Alphabet to present a systematic approach to the pronunciation of vocal literature in English and French, examining those elements of pronunciation, which must be modified from the spoken language into the singing language. The course will require solo and group preparation of songs in each language, including precise translations for foreign language literature and will provide for class criticism and discussion of performance in an effort to develop critical hearing.

Credits: 2 cr.

- ## MU 3361 - JAZZ ARRANGING I

A course in the study of the fundamentals of jazz arranging. Includes standard formats and part notation; appropriate ranges and transpositions of common jazz instruments and arranging for combos up to four horns and rhythm section.

Credits: 2 cr.

- ## MU 4330 - VOCAL-CHORAL MUSIC IN THE PUBLIC SCHOOLS

Study of a suitable choral program for a public school system. The course emphasizes the teaching of voice and ensemble singing through the developmental stages of young singers. Students observe and participate in vocal/choral music-making with elementary, middle, and high schools choirs.

Prerequisites & Notes: MU 3241 and MU 3330.

Credits: 3 cr. Dual Listed/Cross Listed: MU 5545.

- ## MU 4331 - INSTRUMENTAL MUSIC IN THE PUBLIC SCHOOLS

Study of a suitable instrumental program for a public school system. Particular attention to class teaching techniques of the various instruments. Problems of organization and administration of such a program; survey and examination of the available instructional materials.

Prerequisites & Notes: Take MU-3241 and MU-3331

Credits: 3 cr. Dual Listed/Cross Listed: MU-5541

- ## MU 4400 - STUDENT TEACHING

(By arrangement). Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor.

Prerequisites & Notes: 3.0 QPA.

Credits: 12 cr.

- **MU 4400L - SENIOR LAB: BECOMING A PROFESSIONAL**

The focus of this course will be to develop and refine professional competencies prior to accepting a teaching position. Topics include: development of a professional portfolio, preparing for a job search, teacher certification, current issues in music education, professional development and professional responsibilities.

Prerequisites & Notes: Prerequisites: MU 4330 or MU 4331.

Credits: 0 cr.

- **MU 4410 - FORMS AND ANALYSIS**

Various methods of musical analysis are studied and applied to compositions representative of various periods of music history.

Prerequisites & Notes: MU 3312.

Credits: 3 cr.

- **MU 4413 - STUDIO PRODUCTION TECHNIQUES**

Seminar in studio production techniques, including critical listening and monitoring, application of effects processing to digital audio, sound design and syntheses, device and effects automation, mixing and mastering, and final project deliver. Students will collaborate to produce several high-quality audio projects.

Prerequisites & Notes: MU 3313.

Credits: 3 cr.

- **MU 4414 - RECORDING ARTS**

Seminar in digital audio workstation (DAW) recording: emphasis will be placed on sound recording, editing, and mixing processes through hands-on experience. Students will collaborate to produce high-quality recordings within several musical genres.

Prerequisites & Notes: MU 3313 or prmission of instructor.

Credits: 3 cr.

- **MU 4420 - SONG LITERATURE**

Studies development of monophonic song from the days of the troubadours and troupers to the present time. Emphasizes especially the history of the German lied, the French chanson or melody, and solo song in the British Isles and the United States. Also includes the major composers of song in the Slavic countries, Spain, South America, and Scandinavia.

Credits: 3 cr.

- ## MU 4429 - ADVANCED STUDIES MUSIC LITERATURE

Intensive study of selected choral, solo, chamber, and orchestral masterpieces: emphasis on formal and stylistic developments.

Prerequisites & Notes: MU 2220, MU 3221 and MU 3222.

Credits: 3 cr.

- ## MU 4431 - THE SYMPHONY

Studies orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists, and contemporary composers. Works will be analyzed and their historical, cultural, and philosophical backgrounds discussed.

Credits: 3 cr.

- ## MU 4437 - WIND BAND LITERATURE

The study of wind band literature considered standard in the performance repertoire at the high school level with an emphasis on developing the skills to recognize works that are artfully crafted.

Prerequisites & Notes: MU 3315 and MU 3351.

Credits: 2 cr.

- ## MU 4438 - CONDUCTOR'S LITERATURE

The study of standard literature in the performance repertoire of wind band and orchestral ensembles. An emphasis on developing the skills to recognize works that are artfully crafted, explore the origins of wind-band music, identify great literature for both wind-band and orchestra and assess the development and direction of current trends. While repertoire emphasized will be of the highest quality, one of the major benefits of the course will be to explore literature for all levels of programming, from beginning to professional levels.

Prerequisites & Notes: MU 3315 and MU 3351.

Credits: 2 cr.

- ## MU 4459 - MARCHING BAND TECHNIQUES

Detailed study of the marching band including philosophy, styles, charting, music, materials, instrumentation, administration, and contemporary techniques.

Credits: 2 cr.

- ## MU 4471 - VOCAL PEDAGOGY

A study of the teaching of singing on an individual or group basis. Study of the five elements of singing: respiration, phonation, resonation, articulation, and interpretation. An examination of various approaches to voice teaching, including a study of books on

voice pedagogy.

Prerequisites & Notes: Permission of instructor.

Credits: 3 cr. Notes: May be taken for 2 or 3 credits only.

- ## MU 4472 - PIANO PEDAGOGY

Studies procedures for class and individual instruction: emphasizes the ear approach as the basis for reading, true musical perception and intelligent understanding of the printed page. Examines and evaluates materials suitable for the first years of piano study.

Prerequisites & Notes: Permission of instructor.

Credits: 2 cr.

- ## MU 4473 - PRACTICUM IN PIANO TEACHING

Introduces class and individual instruction techniques to be used with young beginners.

Prerequisites & Notes: MU 4472.

Credits: 1 cr.

- ## MU 4474 - STRING PEDAGOGY

Evaluates string methods and materials, gives hands-on practice on feedback on string lesions, grades and organizes string music literature, present history of string teaching and offers a repertory of teaching techniques and routines.

Prerequisites & Notes: MAP 1151 and MAP 1152.

Credits: 2 cr.

- ## MU 4475 - WOODWIND PEDAGOGY

Acquaints students with the woodwind instruments and their solo and ensemble literature. Lecture, demonstration, films, tapes, and recordings presented for flute, oboe, bassoon, clarinet, and saxophone.

Credits: 2 cr.

- ## MU 4476 - BRASS PEDAGOGY

Studies the techniques, teaching problems, teaching materials, history, and literature related to the brass instruments.

Credits: 2 cr.

- ## MU 4477 - PERCUSSION PEDAGOGY

Studies teaching techniques and associated literature of the various percussion instruments.

Credits: 2 cr.

- ## MU 4481 - SURVEY OF THE BUSINESS OF MUSIC

An overview of the global music industry as practiced in the United States, this course will provide insights into a number of key areas of business related to music. Students will also explore a diversity of music industry career paths in areas such as arts management, music products and merchandizing, public relations, music production and recording, publishing, and online music distribution.

Credits: 3 cr.

- ## MU 4489 - INTERNSHIP: MUSIC INDUSTRY

A 14-week internship in the music industry intended as a capstone experience for the Industry program. Internships may take place in the fields of music products retail and wholesale, arts management, marketing, promotions, recording, and/or production. Students are encouraged to make contact with potential internship programs well before their internship.

Prerequisites & Notes: MU 4481.

Credits: 12 cr.

- ## MU 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## NTR 1101 - PERSONAL NUTRITION

This course covers basic principles of nutrition for personal health and wellness. Topics include carbohydrates, protein, fat, vitamins, minerals, and water, weight control and other current topics in nutrition. This is an excellent course for students wishing to improve their eating habits and health. This course DOES NOT fulfill requirements for the nursing or nutrition program.

Credits: 3 cr.

- ## NTR 2211 - INTRODUCTION TO NUTRITION

This course examines how optimal nutrition improves health and risk factors for nutrition related diseases. It introduces the science of nutrition, nutrient needs of the body, and the foods that meet these needs. Topics covered include carbohydrates, proteins, lipids, vitamins, minerals, water, weight control, eating disorders, and lifecycle nutrition.

Credits: 3 cr.

- **NTR 2220 - NUTRITION AND EXERCISE**

An in-depth look into nutrition and exercise and how they work together to prevent chronic disease.

Credits: 3 cr.

- **NTR 3300 - CULTURAL NUTRITION**

A study of basic human nutrition and the food habits of individuals from various countries and ethnic backgrounds. This course includes an examination of the student's own culture compared to the cultures discussed in class.

Prerequisites & Notes: Prerequisite: completion of 30 credit hours or permission of instructor.

Credits: 3 cr.

- **NTR 3305 - PRINCIPLES OF FOOD SCIENCE**

Application of physical and chemical properties of food related to the selection, preparation, consumption, and storage. This course integrates nutrition concepts into the study of food science.

Prerequisites & Notes: At least one nutrition class.

Credits: 3cr

- **NTR 3305L - PRINCIPLES OF FOOD SCIENCE LAB**

Principles of Food Science Lab.

Credits: 0 cr

- **NTR 3314 - LIFE CYCLE NUTRITION**

Nutritional requirements and assessment of humans from conception to old age, including the study of nutrition as it relates to health and disease common to each phase of the life cycle. The impact of societal and environmental factors on nutrient intake will be examined.

Prerequisites & Notes: Corequisite: NTR 2211

Credits: 3 cr.

- ## NTR 3315 - NUTRITION ORGANIZATION AND MANAGEMENT

An examination of managerial functions in nutrition services, including food service. Includes discussion of managerial duties, leadership, personnel management, financial aspects of nutrition services and marketing techniques.

Credits: 3 cr.

- ## NTR 3316 - COMMUNITY NUTRITION

Addresses issues of nutrition services in the community, including needs assessment, implementation, and program evaluation. Provides opportunity for students to become familiar with WIC, school lunch programs, congregated meals, cooperative extension services, etc.

Prerequisites & Notes:

NTR-2211

Credits: 3 cr.

- ## NTR 3325 - COUNSELING AND HEALTH EDUCATION

Counseling theory and interviewing techniques will be discussed. The student will have the opportunity to practice assessing, documenting, and counseling individuals on nutrition. Health promotion and disease prevention will be highlighted throughout this course.

Prerequisites & Notes: NTR 2211

Corequisite: NTR 3314

Credits: 3 cr,

[Archived Catalog]

Courses

Contract All Courses |

- ### NTR 3330 - SPORTS NUTRITION

Scientific basis for sports nutrition. Basic nutrition concepts, energy expenditure during various types of exercise, diet during training, meal recommendations, use of supplements and ergogenic aids, special recommendations for groups of athletes. An excellent course for athletes, coaches, and active people.

Prerequisites & Notes: NTR 2211 prerequisite

NTR 3325 Co-requisite

Credits: 3 cr.

- ### NTR 3350 - NUTRITION IN HEALTHCARE

This course is intended for students pursuing degrees in healthcare including Nursing, Pre-Medical, Pre-PA, Nutrition, and other allied health care fields. Introductory concepts of nutrition are reviewed, and the student is introduced to healthy nutrition through the life cycle, selected cultural diet variations, diet and physical activity recommendations, medical nutrition therapy for selected diseases, and basic food safety concepts.

Prerequisites & Notes: Take NTR-2211

Credits: 3cr

- ### NTR 4401 - MEDICAL NUTRITION THERAPY I

Nutritional assessment, diagnosis, intervention, monitoring, and evaluation of patients with obesity, eating disorders, diabetes, cardiovascular disease, and immunological disorders. Pathophysiology and evidence-based medical nutrition therapy interventions for disease states discussed.

Prerequisites & Notes: NTR-2211 with a grade of C or better

Co-Requisites BSC 1121 & NTR 3325

Credits: 3 cr.

- **NTR 4402 - MEDICAL NUTRITION THERAPY II**

Nutritional assessment, diagnosis, intervention, monitoring, and evaluation of patients with anemia, HIV, inborn errors of metabolism, nervous system disorders, digestive tract disorders, renal disease, neoplastic diseases and those on nutrition support. Pathophysiology and evidence based medical nutrition therapy interventions for disease states discussed.

Prerequisites & Notes: BSC 1121, NTR 2211, NTR 3325, AND NTR 4401 with a grade of C or better

Credits: 3 cr.

- **NTR 4411 - QUANTITY FOOD PRODUCTION**

This course covers quantity food production, menu planning, purchasing, receiving, sanitation, and safety techniques in food service.

Prerequisites & Notes: NTR-3305

Credits: 3 cr.

- **NTR 4417 - ADVANCED NUTRITION**

Chemistry of nutrients, metabolism, and normal nutritional requirements throughout the human life cycle.

Prerequisites & Notes: CHM-1101, CHM-1102 and NTR-2211

Corequisites:

CHM-2201

Credits: 3 cr.

- **NTR 4419 - NUTRITION FIELD EXPERIENCE**

Supervised and evaluated field experience related to nutrition. Requires a comprehensive final project related to the work accomplished during the field experience and a positive performance evaluation by immediate supervisor, who must be a nutrition professional.

Prerequisites & Notes: Must have earned 60 credits including 9 credits of nutrition with a QPA of 3.0 overall and in the major

Variable Credits: 0 - 15 cr.

- **NTR 4420 - NUTRITION RESEARCH SEMINAR**

Students select a contemporary nutrition issue. The students will learn research methodology, how to interpret current research, and how to present their research.

Prerequisites & Notes: Must have 75 earned credits including 9 credits of nutrition

Credits: 3 cr.

NTR 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline.
The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. May be taken for one, two or three credits at one time.

Variable Credits: 0 - 3 cr.

NUR 1001 - NURSING STUDENT TOOLS AND RULES FOR SUCCESS

This course introduces students to an overview of the discipline of nursing. The course will focus on promoting tools for student success in the nursing program. Topics include how to learn in a concept-based curriculum; and how to best ensure success in the nursing program based on program standards.

Prerequisites & Notes: BSN majors only.

Credits: 1cr

NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING

This course introduces the student to the role of the professional nurse. Professional concepts such as scope of practice; communication skills; legal, ethical, and professional issues; professional identity; and patient safety are introduced.

Prerequisites & Notes: Nursing majors only.

Credits: 2 cr.

NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE

This course is designed to provide an overview of public health with an emphasis on the population perspective and the cross-cutting ecological nature of public health including the population impacts on healthcare systems. Discussions will integrate social justice issues, epidemiology and other public health concepts, with discussions primarily limited to the United States and occasional references to global implications. This course does not meet the wellness requirement for nursing or nutrition students, nor can it be used as a nursing elective.

Credits: 3 cr. General Education Requirement: *** This course does not meet the wellness requirement for nursing or nutrition students, nor can it be used as a nursing elective.

NUR 2001 - INTRO TO PROFESSIONAL NURSING

This course introduces the student to the role of the professional nurse. Emphasis will include scope of practice, the nursing process, professional identity, health promotion, communication, and patient safety.

Prerequisites & Notes: BSC 1121, BSC 1122, and NUR 1001.

Credits: 3cr Notes: BSN students only

- ## NUR 2201 - PATHOPHYSIOLOGY

This course focuses on physiologic concepts related to altered health states/diseases using a systems approach. Lifespan considerations are explored.

Prerequisites & Notes: BSC 1121, BSC 1122 and NUR 1001.

Credits: 3cr Notes: BSN majors only.

- ## NUR 2501 - FOUNDATIONS OF NURSING PRACTICE

This course focuses on concepts and skills to promote basic care and comfort; medical documentation and terminology; and basic med math. Concepts of growth and development across the lifespan will be reviewed. Students will have the opportunity to apply concepts and perform basic skills in a variety of clinical settings.

Prerequisites & Notes: BSC 1121, BSC 1122, NUR 1001, NUR 2001 & NUR 2201.

Credits: 4cr Notes: BSN majors only.

- ## NUR 2601 - HEALTH ASSESSMENT

This course focuses on knowledge and skills necessary to perform a comprehensive health assessment. Normal assessment findings, frequently seen variations from normal and cultural differences are discussed. Lifespan considerations are also explored.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, and NUR 2201.

Credits: 3cr Notes: BSN majors only

- ## NUR 2701 - PHARMACOLOGY

This course focuses on the pharmacologic management of selected altered health states/diseases using a prototype approach. The nurse's role related to concepts of pharmacologic therapy and the process of medication administration is emphasized. Lifespan considerations are explored.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, and NUR 2201.

Credits: 3cr Notes: BSN majors only.

- ## NUR 3001 - EVIDENCE-BASED PRACTICE AND INFORMATICS

This course introduces the concept of evidence-based practice in healthcare as it applies to the individual and the family across the lifespan. Informatics and nursing research will be components of this course.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, and NUR 2701.

Credits: 3cr Notes: BSN majors only

- **NUR 3201 - CARE OF PATIENTS ACROSS THE LIFESPAN WITH COMMON CHRONIC HEALTH PROBLEMS**

This course focuses on the concepts and skills associated with chronic care needs of the individual across the lifespan. Also included are common mental health concepts, and therapeutic communication techniques used in a variety of health care settings. An introduction to community health care concepts is also presented. Students will have the ability to learn basic invasive skills that are required in the care of the patient.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, AND NUR 2701.

Credits: 7cr Notes: BSN majors only.

- **NUR 3261 - HEALTH ASSESSMENT ACROSS THE LIFE SPAN**

This course is designed to assist the RN to BSN student develop the skills necessary to perform health assessments. The course incorporates the principles of interviewing, comprehensive health history, sequential physical assessment, and analysis and documentation of collected data.

Credits: 3 cr.

- **NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I/HEALTH ASSESSMENT**

This course provides theory and skills foundation for professional nursing. The role of the professional nurse is explored. The nursing process, the clinical judgement model, health care needs of individuals, and health care needs of individuals, and health assessment are central concepts. The laboratory component concentrates on acquisition of professional nursing skills.

Prerequisites & Notes: BSC 1121 and BSC 1122.

Credits: 3 cr.

- **NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II**

This course provides theory and skills foundation for professional nursing. The role of the professional nurse is explored. The nursing process, the clinical judgement model, health care needs of individuals, and health care needs of individuals, and health assessment are central concepts. The laboratory component concentrates on acquisition of professional nursing skills.

Prerequisites & Notes: NUR 1100 and NUR 3270.

Credits: 4 cr.

- ## NUR 3361 - INTRODUCTION TO NURSING RESEARCH

This course provides an overview of the steps in the research process, and the professional, ethical, and legal implications involved in scientific inquiry. There is an emphasis on knowledge and methods required to critically evaluate research and application of evidence-based findings to practice.

Prerequisites & Notes: NUR 3270 and NUR 3271 or equivalent courses; MA 1125; or permission of instructor.

Credits: 2 cr.

- ## NUR 3370 - NURSING CARE OF THE ADULT CLIENT

This course focuses on topics and skills associated with chronic care needs of adult clients. Students will have the ability to learn basic invasive skills that are required in the care of the patient and to observe various roles of the professional nurse within the health care system.

Prerequisites & Notes: BSC 1121, BSC 1122, BSC 3271 (or BI 3371), CHM 1110, NTR 2211, NUR 3270 and NUR 3271.

Credits: 8 cr.

- ## NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILDREARING FAMILIES

This course focuses on topics and skills to provide comprehensive nursing care to meet the needs of childbearing and childrearing families experiencing acute and chronic health care problems, in a variety of settings. Course content focuses on family, normal/abnormal peri-partum, normal/abnormal pediatric problems, and growth and development.

Prerequisites & Notes: BSC 1121, BSC 1122, BSC 3271 (or BI 3371), CHM 1110, NUR 3270 and NUR 3271.

Credits: 8 cr.

- ## NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I

This course examines pathophysiological concepts of altered health states of selected body systems along with appropriate pharmacologic management and nursing implications. Includes basic principles of pharmacology; stress and adaptation; cell injury, aging and death; alterations in respiratory function, acid-base balance, fluids and electrolytes, renal function, the endocrine system, and the gastrointestinal system.

Prerequisites & Notes: NUR 3270, NUR 3271, BSC 1121, BSC 1122 and BSC 3271 or BI 3371.

Credits: 3 cr.

- ## NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II

This course examines pathophysiological concepts of altered health states along with appropriate pharmacologic management and nursing implications. Includes alterations in neurological function; cardiac function; immune function; and blood pressure, coagulation, blood flow, and other blood abnormalities.

Prerequisites & Notes: NUR 3270, NUR 3271, BSC 1121, BSC 1122, BSC 3271 or BI 3371.

Credits: 3 cr.

- ## NUR 3501 - HEALTH CARE DELIVERY

This course introduces the student to health care organizations and delivery systems.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701, NUR 3001, NUR 3201.

Credits: 3cr Notes: BSN Majors only.

- ## NUR 3601 - CARE OF PATIENTS ACROSS THE LIFESPAN WITH ACUTE HEALTH PROBLEMS

This course focuses on concepts and skills to provide care to meet the needs of clients with acute health problems in populations across the lifespan. Concepts of family and normal peri-partum will also be introduced. Students will have the opportunity to apply concepts and advanced psychomotor skills in a variety of clinical settings.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701, NUR 3001, AND NUR 3201.

Credits: 7cr Notes: BSN Majors only.

- ## NUR 4001 - LEADERSHIP CONCEPTS FOR PROFESSIONAL NURSING

This course covers leadership concepts for professional nursing. Basic leadership principles and quality improvement will be examined.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701, NUR 3001, NUR 3201, NUR 3501, AND NUR 3601.

Credits: 4CR Notes: BSN majors only.

- **NUR 4201 - CARE OF PATIENTS ACROSS THE LIFESPAN WITH COMPLEX HEALTH PROBLEMS**

This course includes health and illness concepts across the lifespan associated with care of individuals with complex health problems. Students will care for patients experiencing complex alterations in their health. Students will apply concepts and advanced psychomotor skills in a variety of clinical settings.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701, NUR 3001, NUR 3201,

NUR 3501, and NUR 3601.

Credits: 7cr Notes: BSN majors only.

- **NUR 4402 - WOMEN'S HEALTH ISSUES**

Designed to explore and analyze a wide range of women's health issues from a multi disciplinary perspective. It is presented in an online format utilizing feminist pedagogy.

Credits: 3 cr.

- **NUR 4410 - ALTERNATIVE AND COMPLEMENTARY THERAPIES**

An overview of complementary and alternative therapies (CAT) will be presented in this course. Individual therapies and their use will be examined. Current research will be analyzed. The impact of cultural diversity on the use of CAT and conflicts with traditional medicine will also be discussed.

Credits: 3 cr.

- **NUR 4411 - CASE STUDIES IN NURSING**

This course is focused on improving the student's ability to plan and deliver nursing care through the application of case studies. The utilization of case studies will enhance critical thinking, improve proficiency with the nursing process, and contribute to communication skills.

Credits: 3 cr.

- **NUR 4412 - MENTAL HEALTH CARE: PAST, PRESENT AND FUTURE**

This course provides an overview of the history and current status of the treatment of the mentally ill in the United States and across the globe. Perspectives on causation and care will be explored, as well as current mental health prevention and promotion strategies. Concepts of prevention and promotion are explored across the lifespan and across cultures with a focus on the mental health of special populations and communities.

Credits: 3 cr.

- ## NUR 4413 - NCLEX PREPARATION

This course focuses on improving the student's ability to utilize critical thinking and test-taking strategies to enhance readiness to take the RN licensure exam (CLEX-RN). The structure of the NLCEX-RN Test Plan is explored in depth, with emphasis on client needs and integrated processes.

Prerequisites & Notes: Take: NUR 3370 & NUR 3371.

Credits: 1 cr.

- ## NUR 4417 - COMMUNITY NURSING PRACTICE AND PRINCIPLES

This course will provide registered nurses who did not have community health principles in their basic nursing programs with information on aspects of practice unique to functioning in community and public settings. The course includes theoretical and practice models that are basic to preparing students for the specialty of Community Health Nursing. Student in this course will learn to apply the nursing process to a community client using the Neuman Systems Model. This course is only for RN students who have a bachelors degree in an area other than nursing and are planning on attending Mansfield University's MSN program.

Credits: 3 cr.

- ## NUR 4427 - SHAPING THE NURSING PROFESSION: A HISTORY OF NURSING IN THE US

This course explores the existing historiography on the development of the nursing profession in the United States. The class focuses on historical literature, which provides perspectives on individuals, social movement, and institution building that contributed to transformations in the practice of nursing. Comparisons to development in related social groups provides context for understanding issues of class, gender, and social power.

Prerequisites & Notes: Must have 30 earned credits

Credits: 3cr.

- ## NUR 4433 - HEALTH PROMOTION

An interdisciplinary, international investigation of health promotion taught from the perspective of various disciplines with an emphasis on issues of nutrition, exercise, health behaviors and motivational theory. It is designed to familiarize students with implementing strategies for health promotion and disease prevention on the personal and community level. Active participation by the student in a health promotion project will be required.

Credits: 3 cr.

- ## NUR 4454 - GERONTICS/NORMAL AGING

Provides both theoretical content and interaction with the well-elderly. Assessing and assisting the aging to maintain wellness will be the major focus.

Prerequisites & Notes: NUR 3270, NUR 3271 and SOC 1101.

Credits: 3 cr.

- ## NUR 4456 - GERIATRIC SYNDROMES

This course focuses on understanding the physiological aging process and complex health issues impacting older adults. Students will utilize established geriatric care standards to promote best practices and patient-centered care for the aging individual.

Prerequisites & Notes: NUR 3270, NUR 3271 or equivalent.

Credits: 3cr

- ## NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING

This is a seminar that examines current trends, controversies, questions, and dilemmas of professional nursing as well as the influence of political, ethical/legal, economic, and societal issues on the practice of nursing. The capstone project in this course is designed to illustrate the connection between general education and the profession of nursing.

Prerequisites & Notes: Take NUR 3361, NUR 3370, NUR 3371, NUR 3391 & NUR 3392.

Credits: 3 cr.

- ## NUR 4465 - RURAL HEALTH ISSUES

This course explores issues which affect rural health consumers and providers. Geographical, cultural, socioeconomic, and healthcare system challenges will be discussed. Identifying the needs of rural populations will assist students to understand the advocacy role of rural healthcare providers and design strategies to enhance the development of healthy rural communities.

Prerequisites & Notes: CHE-1120, CHE-2220 or NUR-3271 or RN status

Credits: 3 cr.

- ## NUR 4471 - COMMUNITY HEALTH NURSING

This course explores health promotion, community assessment and disease prevention in diverse populations using epidemiological theories and multiple frameworks as a basis. Chronic and communicable disease incidence, at-risk populations, clinical interventions, and evidence-based practice will be investigated as it applies to nursing practice in the community.

Prerequisites & Notes: NUR 3370, NUR 3371, NUR 3391 or NUR 3392 or permission of instructor.

Credits: 6 cr.

- **NUR 4472 - MENTAL HEALTH NURSING**

This course includes health and illness concepts associated with care of individuals with acute, chronic and complex variations of mental health. There is an emphasis on individuals, families, groups and communities.

Prerequisites & Notes: Junior level nursing courses.

Credits: 6 cr.

- **NUR 4480 - LEADERSHIP PRINCIPLES AND QUALITY IMPROVEMENT IN NURSING PRACTICE**

This course covers leadership concepts for professional nursing. Basic leadership principles and quality improvement will be examined.

Prerequisites & Notes: Prerequisite: NUR 3361, NUR 3370, NUR 3371, NUR 3391 & NUR 3392.

Credits: 3 cr.

- **NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS**

This course examines concepts associated with the care of adults with complex health problems. Students will apply the nursing process and advanced skills within the acute care setting. This course also focuses on the transition into professional practice.

Prerequisites & Notes: NUR 3370, NUR 3371, NUR 3391 and NUR 3392.

Credits: 8 cr.

- **NUR 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **NUR 4501 - CONCEPT SYNTHESIS**

This course focuses on concept synthesis through case studies; completion of the capstone portfolio; and NCLEX preparation and readiness.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701, NUR 3001, NUR 3201, NUR 3501, NUR 3601, NUR 4001, NUR 4201, and 4601.

Credits: 2cr Notes: BSN majors only.

- **NUR 4601 - CARE OF INDIVIDUALS AND POPULATIONS ACROSS THE LIFESPAN EXPERIENCING CATASTROPHIC SITUATIONS**

This course will guide the student to apply the concepts in the management of individuals and populations across the lifespan experiencing catastrophic situations such as mass casualty, bioterrorism, societal violence, and other disasters.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701, NUR 3001, NUR 3201, NUR 3501, NUR 3601, NUR 4001, AND NUR 4201.

Credits: 3cr Notes: BSN majors only.

- **NUR 4701 - PRECEPTED EXPERIENCE**

This course focuses on the transition into professional practice through a preceptorship with registered nurses in a variety of settings.

Prerequisites & Notes: Take BSC 1121, BSC 1122, NUR 1001, NUR 2001, NUR 2201, NUR 2501, NUR 2601, NUR 2701,

NUR 3001, NUR 3201, NUR3501, NUR 3601, NUR 4001, NUR 4201, and NUR 4601.

Credits: 3cr Notes: BSN majors only.

- **PHL 1100 - METHODS OF INQUIRY**

The purpose of this course is to introduce students to the tools and skills they will need in order to take charge of their learning and be academically successful in college. Students will be introduced to methods for identifying and using information critically and ethically and will practice recognizing essential elements of reasoning. They will recognize basic fallacies and discover how to access their own thinking, as well as assess the ideas and arguments of others. By the end of the course, students will have learned about methods of inquiry and elements of reasoning used in the various liberal arts disciplines.

Credits: 3cr

- **PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE**

Especially designed for individuals pursuing careers in respiratory therapy and radiology technology. Topics include informed consent, paternalism, professional accountability, access to professional services, policy implications and the control of technology, and the benefits of health-care practices. May not be used as a substitute in the Nursing Program for PHL 3380; not a General Education Humanities course.

Credits: 3 cr.

- **PHL 2200 - CRITICAL THINKING**

This course is designed to improve a student's ability to recognize and evaluate arguments and claims as they occur in a variety of contexts, such as editorials, articles, debates, newscasts, speeches, advertisements, and conversations. Logical fallacies, common ways in which arguments go wrong, will be studied, along with the features of good reasoning. Various forms of inductive or informal

argumentation will be analyzed, including scientific, legal and everyday reasoning.

Credits: 3 cr.

- ## PHL 2201 - INTRODUCTION TO PHILOSOPHY

Examines the basic foundational beliefs in the religious, scientific, ethical, and political dimensions of life. Exercises the student's ability to identify his/her own basic beliefs and subject these to critical evaluation. Examples of issues discussed are whether ethical values are relative, the existence of God, the nature of justice, and human freedom.

Credits: 3 cr.

- ## PHL 2202 - CONTEMPORARY MORAL PROBLEMS

Analyzes moral arguments pertaining to difficult contemporary issues, with emphasis on clarifying and evaluating these. Discussion subjects include: abortion, euthanasia, the moral status of animals, the environment, the rights of women and minorities, censorship and pornography, etc. Course goal is to enable the student to assess the strengths and weaknesses of the various positions on each issue. PHL 2202 is suitable as an entry level course in Philosophy.

Credits: 3 cr.

- ## PHL 2205 - LAW, MORALITY and AUTHORITY

This course is intended as an introduction to political philosophy as seen through an examination of texts, issues and concepts fundamental in the Western tradition. It revolves around fundamental political concepts including the polis, sovereignty, citizenship, liberty, justice, law, and rights. Significant time will be spent discussing the enforcement of morals or social norms by law and the proper authority of the state over the individual. Primary sources will include (but are not limited to): Plato, Aristotle, Machiavelli, Hobbes, Locke and Rousseau. This course is approved in the Ethics and Civic Responsibility block of General Education and will foster students' skill in conceptual and textual analysis.

Credits: 3 cr.

- ## PHL 2259 - PHILOSOPHY OF RELIGION

Analyzes the validity of various proofs of God's existence. Also examines religious language, the difference between faith and reason, the question of religious authority, and the reasonableness of the religious lifestyle.

Credits: 3 cr.

- ## PHL 2350 - PHILOSOPHY AND POPULAR CULTURE

Using a variety of contemporary examples and case studies from American culture, which may change from one course offering to the next, the course will demonstrate Philosophy's relevance in the mainstream popular culture. Course emphasizes development in critical thought, analysis, and communication skills. With instructor's approval, may be repeated for credit.

Credits: 3 cr.

- **PHL 3230 - FORMAL LOGIC**

Examines forms of argumentation and formal reasoning, including inductive inference, categorical syllogisms, and propositional logic. In addition to examining both standard and non-standard categorical arguments, this course provides an introduction to symbolic notation, the use of truth tables, and the rules of natural deduction. Required for the Philosophy major.

Credits: 3 cr.

- **PHL 3250 - PHILOSOPHY AND POPULAR CULTURE**

Using a variety of contemporary examples and case studies from American culture, which may change for one course offering to the next, the course will demonstrate Philosophy's relevance and application in the mainstream popular culture. Course emphasizes development in critical thought, and analysis, and communication skills. With instructor's approval, may be repeated for credit. Must have earned 30 credits.

Credits: 3cr

- **PHL 3260 - PROFESSIONAL ETHICS**

This course will examine both moral reasoning and ethical principles as they apply to issues and practices in such professions as business, education, law, police work, scientific research, clinical psychology and psychiatry, social work and information technology. Each offering may emphasize different professions or one specific profession.

Prerequisites & Notes: Must have 30 earned credits.

Credits: 3 cr.

- **PHL 3300 - PHILOSOPHY OF THE ARTS**

A detailed survey of both classical and modern aesthetic theories along with a criticism of each.

Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor.

Credits: 3 cr.

- **PHL 3305 - PHILOSOPHY AND FILM**

Aesthetic, ethical and epistemological issues surrounding the moving image. Topics include: realism, neo-realism, the new wave, feminism and the influence of existential and Marxist philosophies on cinematic theory.

Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor.

Credits: 3 cr.

- **PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY**

An analysis of philosophical concepts and arguments presupposed in social and political discourse. Topics include: liberty and its limits, human rights, economic and social justice, the nature of political obligation and disobedience. Emphasis is on evaluating philosophical theories from both contemporary and historical sources.

Prerequisites & Notes: PHL 2201, PHL 2202, PHL 2205 or PHL 2350.

Credits: 3 cr.

- ## PHL 3316 - ENVIRONMENTAL ETHICS

An analysis of philosophical and ethical arguments involving environmental issues. Topics include the nature of rights, models of normative decision-making, and case studies.

Prerequisites & Notes: Must have 30 earned credits.

Credits: 3 cr.

- ## PHL 3320 - PHILOSOPHY OF LAW

An analysis of philosophical concepts and arguments presupposed in legal discourse and reasoning. Topics will include: the nature of law and legal decision making; theories of justice, privacy, responsibility and punishment. Emphasis is on examining specific legal cases from both contemporary and historical sources.

Prerequisites & Notes: 30 earned credits

Credits: 3 cr.

- ## PHL 3330 - EASTERN PHILOSOPHY

An examination of selected Asian philosophies and philosophical traditions with a specific focus in the nature of reality and of the self. While the primary focus is on Buddhism, elements of Hinduism, Taoism, and Confucianism will be explored. Continuing focus is on comparing and contrasting Eastern approaches to reality with traditional Western approaches but the primary goal is to offer ways that Asian approaches to reality are of significant importance in everyday, Western life.

Prerequisites & Notes: 30 earned credits.

Credits: 3 cr.

- ## PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA

Surveys the impact of the development of religious movements, institutions, ideas, practices and values on US and Canadian cultures, politics and society.

Credits: 3 cr.

- ## PHL 3340 - ETHICS

An analysis of philosophical concepts and arguments presupposed in ethical discourse. Topics include: values, virtues, rights and responsibilities, what makes “the good life,” and liberty. Emphasis is on evaluating philosophical theories from both contemporary and historical sources, including (but not limited to) virtue ethics, utilitarianism, natural law, Kantian ethics, care ethics, egoism, and Stoicism.

Prerequisites & Notes: 30 credits completed

Credits: 3 cr.

- ## PHL 3365 - SCIENCE AND VALUES

Examines problems raised by science and technology. Topics will include: the ethics of experimentation; racism and sexism in science; the limits to technological growth; ecological and nuclear disaster; creationism versus evolutionism; ugliness and beauty in a technological environment. This course is geared to both specialists and non-specialists in philosophy or science.

Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor.

Credits: 3 cr.

- ## PHL 3380 - HEALTH CARE ETHICS

Health care does not exist in a vacuum and neither do the concepts learned in this course, which offers a thorough examination of the arguments designed to provide solutions to moral problems commonly faced by patients and health care providers. Topics include: confidentiality; reproductive rights; death, dying and euthanasia; the distribution of scarce resources (including health insurance plans). No background in philosophy or in medicine is necessary.

Prerequisites & Notes: Must have 30 earned credits.

Credits: 3 cr.

- ## PHL 3390 - EXISTENTIALISM

Analyzes this twentieth-century movement which emphasizes human uniqueness and value. Existential themes include freedom, commitment, self-determination, and authenticity. Major philosophers considered are Kierkegaard, Nietzsche, Heidegger, and Sartre.

Prerequisites & Notes: PHL 2201 or PHL 2202 or permission of instructor.

Credits: 3 cr.

- ## PHL 3470 - THEORIES OF MIND AND KNOWLEDGE

A study of some of the philosophical theories involved in understanding the nature of the human mind and what constitutes knowledge. Some of the topics or concepts which may be examined are behaviorism, identify theory, folk psychology, functionalism, consciousness, intentionality, belief, justification, skepticism, and artificial intelligence. Attention will be paid to recent developments in neuroscience and the social sciences, especially psychology.

Prerequisites & Notes: PHL 2201 or PHL 2202 and 45 earned credits or permission of instructor.

Credits: 3 cr.

- ## PHL 4420 - CLASSICAL GREEK PHILOSOPHY

A deep investigation into Ancient Greek Philosophy with a specific focus on Plato and Aristotle. Content may also include the pre-Socratics.

Prerequisites & Notes: PHL 2201, PHL 2202, PHL 2350, HON 1111 or HON 1112 and Must have earned 45 credits.

Credits: 3 cr.

- ## PHL 4422 - TOPICS IN MODERN PHILOSOPHY

Includes study of the philosophical thought of the early philosophers whose investigations culminated in the contemporary scientific method. Philosophers of the 17th and 18th centuries are examined, including Descartes, Locke and Hume. Specific problem areas discussed are: the mind-body relationship, the possibility of knowledge, perception, and the status of ideas.

Prerequisites & Notes: PHL 2201, PHL 2202, PHL 2350, HON 1111 or HON 1112 and Must have earned 45 credits.

Credits: 3 cr.

- ## PHL 4423 - TWENTIETH CENTURY PHILOSOPHY

Analysis of the defining features of major philosophical movements in the twentieth century. The movements which may be examined include linguistic analysis, logical positivism, pragmatism, philosophy of mind, postmodernism, and feminism.

Prerequisites & Notes: PHL 2201 or PHL 2202 and 45 earned credits or permission of instructor.

Credits: 3 cr.

- ## PHL 4450 - INTERNSHIP

Information can be obtained from Philosophy chairperson. No more than 6 credits count toward the Philosophy major.

Credits: 3 - 12 cr.

- ## PHL 4490 - SEMINAR

An intense, supervised investigation of a specialized problem in philosophy or into the writings of a particular philosopher and philosophical movement.

Prerequisites & Notes: Prerequisite: PHL 2201 or PHL 2202, and either 45 credits earned or permission of instructor.

Credits: 1 - 3 cr.

- **PHL 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

- **PHY 1180 - QUANTITATIVE METHODS FOR THE PHYSICAL SCIENCES**

Introduction to the application of mathematical analysis to physical situations. Problem solving using algebraic, statistical, calculus, and computer methods.

Prerequisites & Notes: Corequisite: MA 2231.

Credits: 3 cr.

- **PHY 1191 - PHYSICS I**

A one-year sequential calculus physics course discussing classical mechanics, fluids, thermodynamics, classical electricity and magnetism, optics and waves, modern physics. Application of physics to life science is made in problem selection and laboratory experimentation.

Prerequisites & Notes: Corequisite: MA 2231.

Credits: 4 cr.

- **PHY 1192 - PHYSICS II**

Continuation of PHY 1191.

Prerequisites & Notes: PHY 1191.

Credits: 4 cr.

- **PHY 2210 - GENERAL PHYSICS I**

A calculus based, introductory physics course emphasizing classical concepts. Selected topics include: motion, work and energy, gravitation, electricity and magnetism, and electromagnetic waves.

Prerequisites & Notes: MA 2231. Co-requisite: MA 2232.

Credits: 4 cr. General Education Requirement: Approaches to Knowledge - Natural and Physical Sciences,
Natural Sciences

- **PHY 2211 - GENERAL PHYSICS II**

Continuation of PHY 1191 or PHY 2210.

Prerequisites & Notes: Corequisite: MA 2233.

Credits: 4 cr.

- ## PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE

An advanced treatment of the physical methods used in the investigation of criminal activities. Topics covered include: statistical treatment of data, material properties of matter, ballistics, hair and fiber identification, physical markings, and spectral analysis.

Prerequisites & Notes: CHM 1110, SCI 1104 and SCI 1107.

Credits: 3 cr.

- ## PHY 3311 - MODERN PHYSICS I

An introduction to 20th century physics, including the structure of atoms and nuclei, basic ideas of quantum mechanics and solid state theory.

Prerequisites & Notes: MA 2233. Corequisite: MA 3311.

Credits: 3 cr.

- ## PHY 3312 - MODERN PHYSICS II

Continuation of PHY 3311.

Credits: 3 cr.

- ## PHY 3313 - PHYSICAL MECHANICS I

An analytic treatment of classical mechanics covering the methods of statics and dynamics of rigid bodies with application to physical problems; small oscillations, generalized coordinates and Lagrange's equations.

Prerequisites & Notes: MA 2233 and PHY 2211. Corequisite: MA 3311.

Credits: 3 cr.

- ## PHY 3314 - PHYSICAL MECHANICS II

Continuation of PHY 3313.

Credits: 3 cr.

- ## PHY 3315 - ANALOG ELECTRONICS

The basics of analog electronics will be discussed and explored in the lab. Topics covered include: Kirchoff's laws, Thevennin equivalent circuits, time varying signals, filters, diodes, transistors, and amplifiers.

Prerequisites & Notes: PHY 2211. Co-requisite: MA 3311.

Credits: 4 cr.

- ## PHY 3316 - DIGITAL ELECTRONICS

The basics of digital electronics will be discussed and explored in the lab. Topics covered include: binary systems, boolean algebra and logic gates, information registers, memory circuits, and digital microprocessors.

Credits: 4 cr.

- ## PHY 3317 - PHYSICAL OPTICS

Wave phenomena, electromagnetic theory of light, interference, diffraction, polarization and nonlinear optics.

Prerequisites & Notes: MA 2233, MA 3311 and PHY 2211.

Credits: 3 cr.

- ## PHY 3318 - THERMODYNAMICS

An introduction to thermal physics and kinetic theory.

Prerequisites & Notes: MA 2233, MA 3311 and PHY 2211.

Credits: 3 cr.

- ## PHY 3319 - INTRODUCTION TO SOLID STATE PHYSICS

A brief summary of the theory underlying the behavior of solids. Emphasis on transport theory, interaction of light and matter, semiconductor devices, superconductors and lasers.

Prerequisites & Notes: PHY 3312, MA 2233, and MA 3311.

Credits: 3 cr.

- ## PHY 3321 - SELECTED TOPICS I

Any selected topic not sufficiently covered in a general course.

Credits: 3 cr.

- ## PHY 4401 - ELECTRICITY AND MAGNETISM I

Foundations of electromagnetic theory including electrostatics, dielectric theory, magnetic properties.

Prerequisites & Notes: MA 3311 and PHY 2211.

Credits: 3 cr.

- ## PHY 4402 - ELECTRICITY AND MAGNETISM II

Continuation of PHY 4401.

Credits: 3 cr.

- ## PHY 4407 - INTRODUCTION TO QUANTUM MECHANICS

An introduction to wave mechanical and axiomatic approaches with simple applications.

Prerequisites & Notes: MA 2233, MA 3311 and PHY 3312.

Credits: 3 cr.

- ## PHY 4415 - PHYSICS RESEARCH I

Undergraduate physics research project initiated by the student and completed in conjunction with a faculty member.

Prerequisites & Notes: Permission of instructor.

Credits: 3 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### PHY 4440 - PHYSICS PRACTICUM

The physics practicum gives students the opportunity to apply knowledge and skills in physics while working with a private or public agency. The practical experience required augments the physics learned in the classroom.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 6 cr. Notes: May be taken for 1 through 6 credits. No more than 3 credits can count towards the major.

- ### PHY 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ### PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT

An introductory course on the major institutions and processes of the U.S. political system. Topics discussed include the principles of governance, separation of powers, checks and balances, federalism, civil rights and liberties, and policymaking.

Credits: 3 cr.

- ### PSC 2204 - STATE AND LOCAL POLITICS

Examines the institutions and actors of state and local governments. Emphasizes the challenges facing subnational governments and the process and implementation of policymaking. The comparative method is used to explore a variety of approaches to state and local governance.

Credits: 3 cr.

- ### PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS

Introduces students to the basic concepts, theories, actors, and issues of international relations. Provides an analytical framework

from which to understand contemporary international relations. Topics discussed include causes of war, cooperation among countries, threats to international security, non-state actors, human rights, globalization, and transnational issues.

Credits: 3 cr.

- ## PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

This course examines several major countries from all regions of the world. It addresses historical development, economic systems, political institutions and processes of each country from a comparative perspective.

Credits: 3 cr.

- ## PSC 2245 - TERRORISM

This course examines terrorism in a global and political context. It covers varied definitions of terrorism, its sources, methods, and organizational structures. Specific movements in all regions of the world are included. Additional attention is given to the US in the post-9/11 world and issues that involve counter-terrorism and democracy.

Credits: 3 cr.

- ## PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION

Examines how social, economic, and psychological factors shape political attitudes and behavior. Covers the study of public opinion, political participation, and voting behavior. Addresses issues related to building a civic-minded public.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSC 3306 - CAMPAIGNS and ELECTIONS

This course focuses on the US electoral process and the actors involved in political campaigns, including political parties and interest groups. It critiques the strategies and tactics of political campaigns. Topics include grassroots organizing, the effect of media, negative campaigns, and campaign finance and electoral reform.

Prerequisites & Notes: 3 credits of PSC.

Credits: 3 cr.

- ## PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS

Techniques and procedures for processing social science data. Ability to develop and evaluate research report and to judge how findings may be applied to improve political science practices are the primary goals of the course. Previous training in statistics strongly recommended.

Credits: 3 cr.

- **PSC 3311 - SOCIAL AND POLITICAL PHILOSOPHY**

An analysis of philosophical concepts and arguments presupposed in social and political discourse. Topics include: liberty and its limits, human rights, economic and social justice, the nature of political obligation and disobedience. Emphasis is on evaluating philosophical theories from both contemporary and historical sources.

Prerequisites & Notes: PHL 2201, PHL 2202, PHL 2205 or PHL 2350.

Credits: 3 cr.

- **PSC 3322 - PHILOSOPHY OF LAW**

An analysis of philosophical concepts and arguments presupposed in legal discourse and reasoning. Topics will include the nature of law and legal decision making, theories of justice, privacy, responsibility and punishment. Emphasis is on examining specific legal cases from both contemporary and historical sources.

Prerequisites & Notes: PHL 2201, PHL 2202, or permission of instructor.

Credits: 3 cr.

- **PSC 3328 - GLOBALIZATION**

Examines the major theoretical approaches to globalization. Explores the growth and impact of globalization and how it affects economic, cultural, political, and human development. Analyzes global issues and the major actors involved in globalization, including states, international organizations, multinational corporations, and nongovernmental organizations.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSC 3340 - INTELLIGENCE STUDIES**

This course focuses on intelligence analysis-what it is, who does it, and who uses it. It includes an examination of the development of the intelligence community, tensions between this community and policy makers, and implications for democratic governance.

Prerequisites & Notes: 15 earned credits.

Credits: 3cr.

- **PSC 3350 - HUMAN RIGHTS**

Focuses on the promotion and protection of human rights in the international political system. Examines international networks of activists and their effect on international relations. Topics include war crimes, humanitarian intervention, environmental policies, and workers' rights.

Prerequisites & Notes: Must have 15 credits.

Credits: 3 cr.

- **PSC 3351 - INTERNATIONAL LAW**

This course focuses on the major principles of international jurisprudence. It includes an analysis of the purposes and functions of international organizational (IOs), which play a significant role in bringing order to the international political system. Particular attention will be paid to case law involving the World Court and the International Criminal Court, as well as other international legal institutions.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSC 3365 - POLITICS IN DEVELOPING COUNTRIES**

This course is an introduction to the economic, social, and political changes in those countries sometimes described as “emerging,” “developing,” underdeveloped,” “Third World,” or “Southern.” Drawing from the nations of Latin America, Africa, and Asia, we examine the role of the state in the struggle for political and economic development.

Prerequisites & Notes: Must complete 15 earned credits.

Credits: 3cr.

- **PSC 3377 - LATIN AMERICAN POLITICS**

Examines the political systems of the Latin American region in terms of historical, political, economic, and social aspects. Special attention to the idea of political development and change.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSC 3380 - MIDDLE EAST POLITICS**

Examines the political systems of the Middle Eastern region in terms of historical, political, economic, and social aspects. Special attention to the idea of political development and change.

Prerequisites & Notes: 15 earned credits

Credits: 3cr

- **PSC 3385 - FIELD RESEARCH ABROAD**

This is short-term study abroad option (country may vary) usually offered during a summer session. The course examines the politics and culture of a specific country through local experience and interviews.

Prerequisites & Notes: Must have 15 earned credits.

Variable Credits: 3-6cr.

- ## PSC 4401 - TOPICS IN AMERICAN POLITICS

Examines in depth a specific aspect of the American political system, such as interest groups, political parties, the media, political campaigns and elections, or the judicial system.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSC 4402 - THE US PRESIDENCY

Examines the roles and powers of the executive branch in the US political system. Addresses the historical development of the institution and the relationship with other political actors (particularly Congress). Includes how the changing media and public environment has impacted the presidency and highlights the most recent campaigns.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSC 4404 - CONSTITUTIONAL LAW

Studies the U.S. Constitution in a historical context. Focuses on the federal judiciary, mainly the Supreme Court, as the primary interpreter of the Constitution. Analyzes major landmark court decisions that have shaped American civil liberties and civil rights.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSC 4412 - TOPICS IN GLOBAL POLITICS

Examines a global aspect of politics, such as a regional focus (e.g. the Middle East) or a thematic focus (e.g. developing countries, international war and peace).

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSC 4415 - U S FOREIGN POLICY**

Examines the content and process of U.S. foreign policy since 1900. Emphasis is on interests, objectives and strategies in key regions as well as domestic forces and constraints.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr. Dual Listed/Cross Listed: HST 4415.

- **PSC 4430 - GLOBAL DEMOCRATICIZATION**

Examines the concepts related to democratic theory, early forms of democratic practices, the development of democracy in Europe and the U.S., and the spread of democracy worldwide. Special attention given to why and how countries become - or fail to become - democratic.

Prerequisites & Notes: Take 3 credits of PSC and Must have 15 earned credits.

Credits: 3 cr.

- **PSC 4444 - POLITICAL SCIENCE SEMINAR**

This capstone course centers on a student driven research project that demonstrates discipline-specific skills and knowledge.

Prerequisites & Notes: Must have 60 earned credits and PSC major.

Credits: 1 cr.

- **PSC 4449 - PRACTICUM**

Designed to give experience in the work of an agency or organization and an understanding of its position in the community. The student should become aware of the agency/organization's philosophy and goals, its formal and informal organization, and its role in the political system.

Credits: 1 -5 cr.

- **PSC 4450 - INTERNSHIP**

Designed to give experience in the work of an agency or organization and an understanding of its position in the community. The student should become aware of the agency/organization's philosophy and goals, its formal and informal organization, and its role in the political system.

Credits: 6 - 15 cr.

- **PSC 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic

discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY

Designed to familiarize students with the application of scientific psychology to human life. Emphasis is on “normal” behavior and its antecedents. Includes the study of broad categories of human behavior through various psychological models.

Credits: 3 cr.

- ## PSY 1151 - ORIENTATION TO PSYCHOLOGY

Intended for students who have recently become or are seriously considering a psychology major. Will focus on assessing initial skill levels, career choices and planning, critical skills and experiences that may be required for entry into the workforce or graduate study; department policies and procedures; and writing style requirements of the American Psychological Association (APA).

Prerequisites & Notes: Co-requisites: PSY 1101.

Credits: 3 cr.

- ## PSY 1160 - HISTORY OF PSYCHOLOGY

History of psychology from ancient times to modern era. Explores the interaction of cultural influences, science, religion, and politics in different time periods. Discovers the relationship between yesterday’s thinking to today’s experiences.

Credits: 3cr

- ## PSY 2201 - PSYCHOLOGICAL ASSESSMENT

An introduction to the assessment of human behaviors in clinical-counseling, educational, and organizational settings. Emphasis is placed on teaching students to be informed consumers and critical thinkers regarding the development and use of psychological tests and assessments.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- **PSY 2206 - RESEARCH METHODS I**

A practical, skills-based introduction to research methods in psychology including the scientific method, experimental design, survey construction, data collection, and data analysis. Students will be exposed to a variety of computer programs including Excel, SPSS, and Survey Pro as well as information technology resources including PILOT, PsychInfo, EBSCOhost, and Web search engines.

Prerequisites & Notes: PSY 1101 or PSY 1151.

Credits: 3 cr.

- **PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS**

This survey course covers the psychological dynamics of the family as a unit, parent-child interactions, the effect of developmental events on the psychology of the family, divorce, single parent families, etc. Class discussion and videotapes are used to illustrate these concepts.

Credits: 3 cr.

- **PSY 2212 - HUMAN SEXUALITY**

Provides a survey of scientific findings and contemporary perspectives in the area of human sexuality. Covers cultural, psychological, emotional, physiological, and developmental aspects of human sexuality and the information needed to help students make responsible decisions concerning their own sexuality and sexual behavior.

Credits: 3 cr.

- **PSY 2421 - DEATH AND DYING**

Provides an overview of the psychological aspects of death and dying in our society. Topics include attitudes toward and preparation for death, the terminally ill patient, funeral rituals and burial, mourning and grief, and suicide and euthanasia. Classroom material is supplemented by the student's self-exploration and writing on feelings, attitudes, and beliefs about death.

Credits: 3 cr.

- **PSY 3290 - LIFE SPAN DEVELOPMENT**

Surveys empirical findings regarding the interactive aspects of human behavioral development from conception through old age. Includes examination of major theories regarding physical, social, emotional, and mental development. Emphasizes normal development as it is experienced at each stage of human life span.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSY 3292 - CHILD PSYCHOLOGY**

Surveys theories and empirical findings regarding the interactive aspects of human behavioral development from conception through pre-adolescence. Examines major findings regarding physical, social, emotional, and mental development. Emphasizes normal development as it is experienced at each stage of the childhood years before adolescence.

Credits: 3 cr.

- ## PSY 3300 - HELPING SKILLS

Designed to help students develop effective listening and interpersonal skills for conducting counseling. The primary emphasis of this course is on (1) the application of counseling and psychological theory to actual casework and (2) the development of counseling skills through observing and conducting peer counseling sessions.

Prerequisites & Notes: PSY 1101 and upper division standing.

Credits: 3 cr.

- ## PSY 3301 - THEORIES OF COUNSELING

Considers the major theories of psychological treatment and behavior change. The major theories covered include: psychodynamic, humanistic, behavior, cognitive, and family systems therapies. Emphasis is placed on student understanding of conceptual bases of dominant counseling models.

Prerequisites & Notes: PSY 1101 and upper division standing.

Credits: 3 cr.

- ## PSY 3303 - MARRIAGE AND FAMILY COUNSELING

This course provides an examination of various theories and models of intervention within couples and families, with strong emphasis on systems theory. Course content addresses normal family development and systemic problems. Students will learn to describe, explain, and apply theories to case scenarios, role-plays and other demonstrative exercises.

Prerequisites & Notes: PSY 1101 and must have 15 credits

Credits: 3cr

- ## PSY 3306 - RESEARCH METHODS II

Research methods II is a hands-on application of the material introduced in Research Methods I. Students in this course will conceptualize, design and conduct independent research projects. From data collected during this semester students will learn to present their research findings in a organized and coherent manner. Research designs covered in this course will range from survey to true experimental designs. Considerable attention will be paid to the conducting of ethical research.

Prerequisites & Notes: PSY 1101 and PSY 2206.

Credits: 3 cr.

- ## PSY 3306L - RESEARCH METHODS LAB

Research Methods Lab.

Credits: 1 cr. Dual Listed/Cross Listed: PSY 3306.

- ## PSY 3307 - COUNSELING YOUTH IN SMALL GROUPS

This course focuses on developing the knowledge and skills needed for counseling young people in group settings such as schools, community programs, recreation programs, residential care, and mental health facilities.

Prerequisites & Notes: PSY 1101 or Professor Permission

Credits: 3cr.

- ## PSY 3309 - STEREOTYPING AND PREJUDICE

This course addresses social psychological research examining stereotyping, prejudice, and discrimination. Attention is focused on the development, maintenance, use, and reduction of prejudice and stereotypes. The impact and psychological consequences of stereotyping and prejudice for their victims also are examined.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSY 3310 - SOCIAL PSYCHOLOGY

Covers the individual aspects of social behavior. Attention is focused on problems in perception, thinking, and motivation. The following topics are examined: theories of person perception, attitude formation, personality structure, motivational determinants of group membership and social conformity, social roles and leadership.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS

Basic principles of small group process are examined through didactic and experiential approaches. Applications in various settings are examined.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- ## PSY 3312 - DEVIANT BEHAVIOR AND SOCIAL PROCESS

Psychological theories of deviant behavior are studied. Major areas include: sexual deviations, prostitution, juvenile delinquency, suicide, obesity, drug addiction, etc., and the various treatment modalities.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- ## PSY 3315 - HUMAN RESOURCE MANAGEMENT I

Introduces the field of Human Resource Management (HRM). Covers strategic management and HRM, the legal context, measurement of job content, recruiting, selection, and human resource development.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr. Notes: May be taken before or after PSY 3316.

- ## PSY 3316 - HUMAN RESOURCE MANAGEMENT II

Continues coverage of the field of Human Resource Management (HRM). Topics include performance management, terminations, workplace safety and health (OSHA), workplace violence, health information privacy issues, job design, organization development, and international HRM.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr. Notes: May be taken before or after PSY 3315.

- ## PSY 3319 - POSITIVE PSYCHOLOGY

An overview of current research in the area of positive psychology. Specific attention will be paid to areas of human positivity, happiness, resilience and flow. Student readings and reflective work will reinforcement theoretical concepts and personal understanding.

Prerequisites & Notes: 15 Earned credits

Credits: 3cr General Education Requirement: Un

- ## PSY 3321 - ADOLESCENT PSYCHOLOGY

An overview of research, theory, and trends in the study of adolescence as a stage in human development from the onset of biological pubescence to the transition to young adulthood. Consideration of the multiple and interacting influences on adolescent development and behavior is a major focus of the course.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSY 3324 - ADULT DEVELOPMENT AND AGING**

Addresses the study of trends in human development from the transition to early adulthood, through senescence, to death. Examines the social, biological, cognitive, and personality components of the aging process. Emphasizes variations in psychological adaptations to personal changes and role transitions during the adult years.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- **PSY 3325 - ADVANCED LEADERSHIP**

Provides students with an in-depth understanding of leadership issues and examines applications of leadership principles to the college environment as well as other settings in the community. Students will participate in a campus or community setting where they can study and apply these principles.

Credits: 3 cr.

- **PSY 3326 - CHILD & ADOLESCENT DEVELOPMENTAL PSYCHOLOGY**

This course will explore the major developmental theories, current research in child and adolescent development, and contexts for development. Particular attention is focused on physical, cognitive, emotional, and social development as well as identity issues.

Prerequisites & Notes: PSY 1101

Credits: 3cr.

- **PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT**

This course provides a current overview of stress and stress-related dysfunction. Techniques for managing stress are emphasized through demonstration and student participation.

Prerequisites & Notes: PSY 1101

Credits: 3 cr.

- **PSY 3345 - ADVANCED SOCIAL PSYCHOLOGY**

This course will provide an overview of how to conduct research in social psychology. Students will design, conduct, analyze, and present social psychology research projects. Topics to be addressed in the course include person perception, attitudes, social cognition, group processes, social influence, aggression, helping behavior, interpersonal attraction and prejudice.

Prerequisites & Notes: PSY 1101, PSY 2206 AND PSY 3310

Credits: 3cr.

- ## PSY 3353 - CAREER PLANNING

An opportunity for Psychology majors to explore career, graduate school and field placement possibilities in their concentration area prior to selecting an internship or completing capstone experiences in the major. Required for all majors: may be taken in lieu of PSY 1151 for students entering the major with more than 45 semester hours completed. The course meets weekly (7 weeks) in the first half of the semester.

Prerequisites & Notes: PSY 1151 or 45 earned credits.

Credits: 1 cr. Notes: It may be taken in the same semester as PSY 3352.

- ## PSY 3355 - HEALTH PSYCHOLOGY

This course examines relationships that exist between our behavior, our environment, and health and disease. Specific areas of review include the psychology of physical activity, smoking cessation, weight-control, stress-disease links with cancer and cardiovascular disease, and models of health care seeking behaviors. Laboratory exercises further explore aspects of health and disease affected by social and behavioral conditions.

Prerequisites & Notes: PSY 2206 or permission of instructor.

Credits: 4 cr.

- ## PSY 3368 - COGNITION AND MEMORY

This course offers an in-depth study of human cognition and memory. Topics covered include basic sensation and perception, attention, categorization, thinking, reasoning, problem solving, and decision-making. There also is an emphasis placed on basic and applied aspects of memory.

Prerequisites & Notes: Take PSY 1101 & PSY 2206

Credits: 4cr

- ## PSY 3391 - PSYCHOLOGICAL DISORDERS

Provides an introduction to the history of psychological disorders as well as an overview of the symptoms, causes, and treatments of psychological disorders. Emphasis is placed on the biopsychosocial model of psychological disorders.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- ## PSY 3392 - CHILD PSYCHOLOGICAL DISORDERS

This course explores neurodevelopmental disorders and psychopathology that can arise in childhood and adolescence. Includes current research in child psychological disorders and focuses on diagnosis, treatment and prevention.

Prerequisites & Notes: Take PSY 1101

Credits: 3cr.

- ## PSY 3395 - PSYCHOLOGY PRACTICUM

PSY 3395 (Psychology Practicum) provides academic credit for training and supervised experiences in selected human service programs, mental health agencies, hospitals, human resources offices, etc. appropriate to student's interests and curriculum.

Prerequisites & Notes: At least sophomore standing as a psychology major and approval of the department chairperson.

Variable Credits: 1-3

- ## PSY 3500 - SCHOOL PSYCHOLOGY

This course deals with pertinent issues in school psychology, such as ethics, emergent technologies, history and foundations of school psychology, legal issues professional issues and standards, alternative models for delivery of school psychological services, as well as roles and foundations of the school psychologist.

Prerequisites & Notes: 15 earned credits

Credits: 3cr

- ## PSY 3550 - APPLIED BEHAVIOR ANALYSIS

Introduces students to current principles of learning and their application to the analysis of human behavior. Emphasis will be placed on the experimental analysis of human behavior and applying the principles to improve quality of life.

Prerequisites & Notes: PSY 1101

Credits: 4cr

- ## PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY

This course provides an introduction to the field of clinical neuropsychology including the study of the human brain and a variety of neurological disorders. Students explore a variety of different disorders and will be introduced to neuropsychological assessment techniques. This course is particularly useful for pre-med, nursing, biology, and psychology students.

Prerequisites & Notes: PSY 1101 or BSC 1104 or permission of instructor and 49 earned credits.

Credits: 3 cr.

- ## PSY 4408 - CHILD FORENSIC PSYCHOLOGY

This course offers an intensive study of how children's cognitive development relates to eyewitness testimony and interviewing in a forensic setting. Topics include development of memory systems, memory for emotional experiences, children's testimonial competency, and lineup identifications. Students also will learn about other cognitive processes and how they relate to children's

accuracy for recalling events. Emphasis will be placed on reading and understanding the empirical literature as it relates to real-world examples.

Prerequisites & Notes: psy 1101

Credits: 3cr

- ## PSY 4415 - LABOR RELATIONS

Labor relations are part of the organizational landscape in manufacturing, service, government, and professional sports. This course examines the history of unions, the organizing process, roles of both parties in contract negotiation and administration, strikes and conflict resolution, grievances, and arbitration processes.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSY 4416 - COMPENSATION & BENEFITS

Introduces participants to current issues and techniques in compensation and benefits. Coverage includes the legal context for compensation, job evaluation and point factor systems, construction of compensation surveys, pay for performance systems, workers' compensation, Social Security, unemployment insurance, ERISA and retirement plans and issues in executive compensation. The course emphasizes conceptual, social, and practical issues related to the development of an administration of compensation systems.

Prerequisites & Notes: Must have 15 earned credits.

Credits: 3 cr.

- ## PSY 4422 - PSYCHOLOGY OF WOMEN

Designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies. Areas covered include feminist scholarship and research; gender socialization, women's biology and health; sexuality, relationships and family; and work, career, and power issues. Students taking the course for graduate credit (PSY 5522) are required to complete an independent research project.

Prerequisites & Notes: PSY 1101.

Credits: 3 cr.

- **PSY 4430 - PERSONALILTY PSYCHOLOGY**

Considers individual differences in characteristic patterns of thinking, feeling, behaving, and motivation. Theoretical ideologies identify differences among individuals and similarities found in human nature.

Prerequisites & Notes: 15 earned credits.

Credits: 3 cr.

- **PSY 4441 - FORENSIC PSYCHOLOGY**

Introduces the role of psychologists in the legal system. Assignments examine and evaluate assumptions made by the legal system about psychological and scientific issues. This approach serves as a framework for considering specific psycho-legal issues. Students study issues pertaining to jury trials, the insanity plea, punishment and sentencing issues, the rights of children, and other important questions.

Prerequisites & Notes: PSY 1101 and 49 earned credits.

Credits: 3 cr.

- **PSY 4445 - ADVANCED COUNSELING SKILLS AND INTERVENTIONS**

This course provides an advanced understanding of the counseling process including presenting problem identification, assessment, and interventions. Additional emphasis will be placed on crisis assessment interventions, ethical considerations, and case conceptualization. Practical application assignments will enable students to develop advanced counseling skills.

Prerequisites & Notes: PSY 3300

Credits: 3 cr.

- **PSY 4490 - SENIOR SEMINAR**

In this course senior psychology majors explore their strengths and weaknesses and review the knowledge and skills they have acquired as a psychology major. Students are directed toward understanding how their skill sets and personal preferences may be successfully applied after completion of the B.S. degree (work or graduate school). Additionally, students submit a portfolio of their work while at Mansfield and complete a research-based seminar paper.

Prerequisites & Notes: Senior standing or permission of instructor.

Credits: 3 cr.

- **PSY 4495 - INTERNSHIP**

Provides practical experience and beginning professional skills to selected students. This is an internship that will focus on applied skills, community service, or research work in settings appropriate to student's interests and curriculum, including metal health and other human service programs, hospitals, human resource offices, and industrial or governmental agencies. The goal is to relate

theoretical learning to practical applications.

Prerequisites & Notes: Prerequisite: At least junior standing as a psychology major and approval of department faculty.

Credits: 6 - 12 cr. Notes: May be taken for 6 through 12 credits. Letter grades (A-F) will be assigned.

- ## PSY 4496 - RESEARCH APPRENTICESHIP

Provides students with intensive experiences in empirical research under close supervision. Qualified students become involved in ongoing research projects, working with experienced researchers. Students are encouraged to serve their apprenticeship at other campuses or institutional settings.

Credits: 1 - 15 cr. Notes: May be taken for 1 through 15 credits.

- ## PSY 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## REC 1200 - INTRODUCTION TO OUTDOOR RECREATION

An introduction to the broad range of skills and knowledge needed by recreation professionals, especially as related to leadership of outdoor activities. Topics include: The inherent value of recreation, trends and growth in the field, the role of the public and private sectors, proper training of new guides, marketing recreational opportunities and case studies.

Credits: 3 cr.

- ## REC 1310 - ROCK CLIMBING

Covers the broad range of activities concerned with rock climbing, with an emphasis on climbing skills, technical skills with ropes and hardware, and safety. Participation in weekend and off-campus sessions is required.

Credits: 1 cr.

- ## REC 1320 - MOUNTAIN BIKING

Cover the broad range of activities concerned with mountain biking, with an emphasis on riding skills, maintenance, and safety. Participation in weekend and off-campus sessions is required.

Credits: 1 cr.

- ## REC 1330 - RIVER GUIDING

Cover the broad range of activities concerned with river guiding, with an emphasis on river hydrology and navigation, safety and risk

management, technical skills, and trip organization. Weekend and off-campus sessions required. Course includes a guided raft trip.

Credits: 1 cr.

- ## REC 1340 - KAYAKING

Cover the broad range of activities concerned with kayaking and canoeing, with an emphasis on skills and safety. Participation in weekend and off-campus sessions is required.

Credits: 1 cr.

- ## REC 1380 - TEAM BUILDING / LOW ROPES ELEMENTS

This course focuses on developing self-confidence, decision making skills, cooperation, trust building, goal setting and teamwork through the use of numerous ropes/challenge course elements. Learning how to lead others through a challenge course is an integral part of the class.

Credits: 1 cr.

- ## REC 1390 - HIKING AND BACKPACKING

Covers the broad range of activities concerned with hiking and backpacking, with an emphasis on basic map reading, needed equipment, safety, trip organization, pioneering skills, and outdoor etiquette. Weekend and off-campus sessions required. Course includes a guided hike.

Prerequisites & Notes:

Credits: 1 cr.

- ## REC 1400 - FACILITATING HIGH ROPES ELEMENTS

This course covers skills and fundamentals required to successfully facilitate a high ropes course, including intangible leadership skills (preparedness, assessing group dynamic, communication, risk management, self-confidence) and tangible hard skills (belaying, knot tying, ability to operate high elements).

Credits: 1cr.

- ## REC 1550 - NATURE PHOTOGRAPHY

Covers nature photography using digital cameras with an emphasis on tools and techniques for beginners. Topics include: lighting; macro and telephoto photography; photographing landscapes, plants and animals, water, and people. Participation in weekend and off-campus sessions is required.

Credits: 1 cr.

- ## REC 1560 - OBSERVING ANIMALS

Covers the various skills, tools, and techniques necessary to successfully guide guests to observe wild animals in their natural setting. Will focus on animals native to Pennsylvania and to the forested regions of the northeastern United States. Topics include: using a field guide, habitat associations, animal activity patterns, animal signs and tracks, vocalizations and calling, animal body language, blinds and camouflage. Participation in weekend and off-campus sessions is required.

Credits: 1 cr.

- ## REC 1570 - EDIBLE/MEDICINAL PLANTS

Students will learn the historical/cultural background for the use of edible and medicinal plants, especially those native to Pennsylvania. They will learn to identify and prepare many of the more commonly used species plus receive pointers on conveying this information to the general public. Although designed for nature tourism guides, this class is appropriate for anyone interested in the topic. Participation in weekend and off-campus sessions is required.

Credits: 1 cr.

- ## REC 2909 - WOMEN OUTDOORS

This course approaches the experience and perception of women outdoors from a variety of disciplines-rhetoric, cultural geography, recreations and leisure studies, history, and literature-all from a feminist perspective. We read essays giving an analytical framework for the books and films by women who hunt, fish, rock climb, mountain bike and surf. We explore issues such as how our cultural views and metaphorical constructs of women and nature affect participation in outdoor recreation, how women involved with recreation are talked to and about as compared to men, and what all this means for women who participate in outdoor recreation and for men who work or play outdoors with women.

Prerequisites & Notes: Minimum 15 earned credits.

Credits: 3cr. Dual Listed/Cross Listed: WS 2909

- ## REC 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. Practicums are graded S or U - they do not affect GPA.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 5 cr. Notes: May be repeated for a total of five credits.

- ## REC 3100 - LEADING OUTDOOR RECREATION TRIPS

Course covers the elements required for successful outdoor trips: trip organization, group dynamics, safety and risk management, interpretation of the cultural and natural environment, and outdoor ethics.

Prerequisites & Notes: REC 1200.

Credits: 3 cr.

- ## REC 3200 - WOMEN OUTDOORS

This course approaches the experience and perception of women outdoors from a variety of disciplines-rhetoric, cultural geography, recreations and leisure studies, history, and literature-all from a feminist perspective. We read essays giving an analytical framework for the books and films by women who hunt, fish, rock climb, hike, backpack, mountain bike and surf. We explore issues such as how our cultural views and metaphorical constructs of women and nature affect participation in outdoor recreation, how women involved with outdoor recreation are talked to and about as compared to men, and what all this means for women who participate in outdoor recreation and for men who work or play outdoors with women.

Prerequisites & Notes: 15 earned credits.

Credits: 3cr.

- ## REC 3700 - RECREATION MANAGEMENT IN PUBLIC AND PRIVATE SECTORS

Covers management of outdoor recreation organizations in both the private and public sector. Marketing, budgets and finances, risk management, trip organization and logistics, and community relations are among the major topics covered.

Prerequisites & Notes: REC 1200.

Credits: 3 cr.

- ## REC 4496 - INTERNSHIP

Offers practical work experience and the opportunity to apply and to further develop appropriate skills. All internships will be grades S or U - they do not affect your QPA.

Prerequisites & Notes: Permission of instructor.

Credits: 6 - 12 cr.

- ## RPL 2815 - PLANNING AND POPULATION

Examination of regional and urban planning models, and demographics analysis. Topics include population growth, sustainable planning, land use, zoning, transportation, planning for demographic change (“graying” of the United States), impacts of urban sprawl, urban revitalization and New Urbanism. Field trips may be required.

Prerequisites & Notes: Minimum 15 earned credits.

Credits: 3cr.

- ## RTH 1101 - FUNDAMENTALS OF RESPIRATORY CARE I

A study of the function of the cardiopulmonary systems to prepare the student for further study in respiratory pathophysiology. Relevant clinical applications are included.

Prerequisites & Notes: BSC 1121, BSC 1122, MA 1128 each with a grade of at least “C” and a cumulative grade point average of at least 2.5.

Credits: 3 cr.

- **RTH 1102 - FUNDAMENTALS OF RESPIRATORY CARE II**

Classroom instruction and laboratory practice of fundamental respiratory care assessment and therapeutic procedures. Topics include physical examination of the patient, bedside pulmonary function tests medical gas therapy, aerosol therapy, airway pharmacology, lung expansion therapy, airway clearance therapy, airway management, and infection control.

Prerequisites & Notes: BSC 1121, BSC 1122, MA 1128 each with a grade of at least “C” and a cumulative grade point average of at least 2.5.

Credits: 4 cr.

- **RTH 1111 - PULMONARY FUNCTION TESTING**

This course covers lung function in health and disease. Techniques used to measure lung function are discussed and demonstrated. The student is instructed in the interpretation of pulmonary function tests.

Prerequisites & Notes: RTH-1101 & RTH-1102 with a grade of at least “C” in each.

Credits: 2 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### RTH 1112 - ARTERIAL BLOOD GASES

This course covers the sampling and analysis of arterial blood and the interpretation of test results. Majors only.

Prerequisites & Notes: BSC 1121, BSC 1122 and MA-1128 with a grade of at least “C” and a cumulative GPA of at least 2.5.

Co-Requisite: RTH 1101

Credits: 1 cr.

- ### RTH 2204 - RESPIRATORY CARE PHARMACOLOGY

Examines the action and uses of pharmacologic agents. Emphasis is on drugs used in the diagnosis and treatment of cardiac and pulmonary disease, and includes the calculation of dosages and solutions.

Prerequisites & Notes: RTH 1102 with a grade of at least “C”.

Credits: 2 cr.

- ### RTH 2205 - RESPIRATORY DISEASE

This course provides the respiratory therapy student with the pulmonary disease knowledge base necessary to implement therapist-driven protocols and provide appropriate care to patients. Topics include chronic obstructive pulmonary disease, restrictive pulmonary disorders, infectious pulmonary disease, pulmonary vascular disease, and pulmonary pathology associated with trauma.

Prerequisites & Notes: Prerequisites: RTH 1101, RTH 1102 and RTH 1112 with a grade of at least “C” in each.

Co-requisites: RTH 1111 & RTH 2211

Credits: 3 cr.

- ### RTH 2208 - PERINATAL/PEDIATRIC RESPIRATORY CARE

Examines respiratory physiology and pathophysiology relevant to the newborn and pediatric patient. The principles, techniques, and equipment relied upon in providing respiratory care to this age group are identified and demonstrated.

Prerequisites & Notes: RTH 1111, RTH 2204, RTH 2205 and RTH 2211 with a grade of at least “C” in each.

Credits: 2 cr.

- **RTH 2211 - MECHANICAL VENTILATION**

Classroom instruction and laboratory practice in the management of patients requiring continuous mechanical support of ventilation.

Prerequisites & Notes: RTH 1101, RTH 1102 & RTH 1112 with a grade of at least “C” in each.

Credits: 4 cr.

- **RTH 2212 - ADVANCED CARDIOPULMONARY CARE**

Examines cardiovascular problems, advanced cardiopulmonary monitoring techniques, special procedures, pulmonary rehabilitation, and home care.

Prerequisites & Notes: RTH 1111, RTH 2204, RTH 2205 and RTH 2211 with a grade of at least “C” in each.

Credits: 3 cr.

- **RTH 2221 - CLINICAL PRACTICUM I**

An introduction to fundamental assessment and therapeutic procedures provided to patients in the hospital setting. Each student will have a weekly half-day rotation to the clinical site for observation and hands-on experience treating patients in the critical and non-critical care areas of the hospital.

Prerequisites & Notes: BSC 1121 and BSC 1122 with a grade of at least “C” in each , a grade point average of at least 2.5 and current healthcare provider BLS certification.

Co-requisites: RTH 1101, RTH 1102 and RTH 1112.

Credits: 1 cr.

- **RTH 2222 - CLINICAL PRACTICUM II**

The student will practice the administration of fundamental respiratory care procedures to patients in the hospital under the supervision of experienced respiratory therapists.

Prerequisites & Notes: RTH 1101, RTH 1102, RTH 1112, and RTH 2221 with a grade of at least “C” in each and health care provider BLS certification.

Credits: 3 cr.

- **RTH 2223 - CLINICAL PRACTICUM III**

The student will demonstrate competence in the administration of fundamental respiratory care procedures and begin practicing more advanced respiratory care procedures in the critical care units and diagnostic laboratories.

Prerequisites & Notes: RTH 1111, RTH 2204, RTH 2205, RTH 2211, and RTH 2222 with a grade of at least “C” in each and health care provider BLS certification.

Credits: 5 cr.

- **RTH 2224 - CLINICAL PRACTICUM IV**

The student will demonstrate competence in the administration of advanced respiratory care procedures in the critical care units and diagnostic laboratories. Rotations to specialty care facilities are included.

Prerequisites & Notes: RTH 2208, RTH 2212, and RTH 2223 with a grade of at least “C” in each and health care provider BLS Certification.

Credits: 6 cr.

- **RTH 3110 - PULMONARY FUNCTION TESTING**

This course covers lung function in health and disease. Techniques used to measure lung function are discussed and demonstrated. The student is instructed in the interpretation of pulmonary function tests.

Prerequisites & Notes: Prerequisites:BSC-1121 BSC-1122 BSC-3271 CHM-1101 & MA-1128 with a grade of at least a “C” in each.

Co-requisites: RTH-3303, RTH-3301, RTH-3312 & RTH-3121.

Credits: 2cr

- **RTH 3112 - ARTERIAL BLOOD GASES**

This course covers the sampling and analysis of arterial blood and the interpretation of test results.

Prerequisites & Notes: Prerequisites: BSC-1121 BSC-1122 BSC-3271 CHM-1101 & MA-1128 with a grade of at least a “C” in each.

Co-requisites: RTH-3303, RTH-3301, RTH-3110 & RTH-3121.

Credits: 2cr

- **RTH 3121 - CLINICAL PRACTICUM I**

The student will demonstrate continuing competence in the administration of fundamental respiratory care procedures and practice respiratory care procedures in the critical care units and diagnostic laboratories. The student will consistently develop knowledge and ability to perform more advanced skills needed to care for patients in the assigned clinical setting. The student will develop personal behaviors consistent with professional expectations of the registered respiratory therapist.

Prerequisites & Notes: Prerequisites: BSC-1121, BSC-1122, BSC-3271, CHM-1101 & MA-1128 with a grade of at least a “C” in each.

Co-requisites: RTH-3301, RTH-3303, RTH-3112, RTH-3110.

Credits: 1cr

- ## RTH 3204 - RESPIRATORY CARE PHARMACOLOGY

This course examines the action and uses of pharmacologic agents. Emphasis is on drugs used in the diagnosis and treatment of cardiac and pulmonary disease and included the calculation of dosages and solutions.

Prerequisites & Notes: Prerequisites: RTH-3301 RTH-3303 RTH-3112 RTH-3121 RTH-3110 with a grade of at least a “C” in each.

Co-requisites: RTH-3205, RTH-3211, RTH-3210 & RTH-3222.

Credits: 2cr

- ## RTH 3205 - RESPIRATORY DISEASE I

This course provides the respiratory therapy student with knowledge of pulmonary diseases necessary to implement therapist-driven protocols and provide appropriate care to patients. Topics include Respiratory Assessment and Failure, acute and chronic obstructive, acute and chronic infectious respiratory disease, neuromuscular disease, interstitial lung disease and sleep disordered breathing conditions.

Prerequisites & Notes: Prerequisites:RTH-3301 RTH-3303 RTH-3112 RTH-3121 RTH-3110 with a grade of at least a “C” in each.

Co-requisites: RTH-3204, RTH-3211, RTH-3222 & RTH-3210.

Credits: 3cr.

- ## RTH 3210 - RESPIRATORY CARE IN ALTERNATIVE SITES

This course examines alternative areas that respiratory care is practiced outside of acute hospital setting. At the end of this course, the students will understand their role as respiratory therapists in the homecare, subacute care, pulmonary rehabilitation, sleep lab and long-term ventilator hospital. This course provides a pulmonary rehabilitation, home care respiratory therapy and respiratory therapist’s role in disease management.

Prerequisites & Notes: Prerequisites: RTH-3303 and RTH-3110 with a ggrade of at least a “C” in each.

Co-requisites: RTH-3205, RTH-3204, RTH-3222 & RTH-3211.

Credits: 2cr

- ## RTH 3211 - MECHANICAL VENTILATION I

The mechanics of ventilation and breath delivery is presented along with an introduction of ventilators. Discussion includes the mechanics of ventilator modes classification, the control interrelations, the electro-pneumatic/microprocessor systems and the audiovisual alarm systems, a selection of current ventilator models are presented during lab and provide hands on experience in troubleshooting, setup, control function, alarm setting and mode changes. A selection of current ventilator models is presented using

labs to provide hands-on experience in troubleshooting, setup, control function, alarm setting and mode change.

Prerequisites & Notes: Prerequisites: RTH-3301 RTH-3303 RTH-3112 with a grade of at least a “C” in each.

Co-requisites: RTH-3205, RTH-3204, RTH-3222 & RTH-3210.

Credits: 4cr

- ## RTH 3222 - CLINICAL PRACTICUM II

This semester’s clinical experience is intended primarily to allow the student to become proficient in the administration of common respiratory therapy modalities to patients. Floor therapy and intensive care rotations allow the student to establish competence in providing oxygen and aerosol (including medications) therapies, lung expansion and airway clearance techniques. Students will practice manual ventilation and basic care of the artificial airway in the ICU and PACU settings. Students will rotate through the arterial blood gas and pulmonary function laboratories learning to procure blood samples and conducting pulmonary function tests. A rotation to the Non-Invasive Cardiology lab will allow the students to gain experience in performing electrocardiograms and observing serval non-invasive cardiac procedures. Learners will have an observational rotation in the operating room at Robert Packer Hospital under guidance of staff anesthesia personnel.

Prerequisites & Notes: Prerequisites: RTH-3301, RTH-3303, RTH-3112, & RTH-3211 with a grade of at least a “C” in each and health care provider BLS certification.

Co-requisites: RTH-3202, RTH-3204, RTH-3211 & RTH-3210.

Credits: 3cr

- ## RTH 3301 - FUNDAMENTALS OF RESPIRATORY CARE I

An examination of respiratory system anatomy and physiology, medical gas physics, chest radiology, and the principles of electrocardiography.

Prerequisites & Notes: Prerequisites: BSC-1121, BSC-1122, BSC-3271, CHM-1101 & MA-1128 with a grade of at least “C” in each.

Co-requisites: RTH-3303, RTH-3112, RTH-3110 & RTH 3121.

Credits: 3cr.

- **RTH 3303 - FUNDAMENTALS OF RESPIRATORY CARE II**

Classroom instruction and laboratory practice of fundamental respiratory care assessment and therapeutic procedures. Topics include physical examination of the patient, bedside pulmonary function tests medical gas therapy, aerosol therapy, airway pharmacology, lung expansion therapy, airway clearance therapy, airway management, and infection control.

Prerequisites & Notes: Prerequisites: BSC-1121, BSC-1122, BSC 3271, CHM-1101 & MA-1128 with a grade of at least “C” in each.

Co-requisites: RTH-3301, RTH-3112, RTH-3110 & RTH-3121.

Credits: 4cr

- **RTH 3506 - RESPIRATORY DISEASE II**

This course provides the respiratory therapy student with additional knowledge of pulmonary diseases necessary to implement therapist-driven protocols and provide appropriate care to patients. Topics include Acute conditions such as Hemodynamic emergencies and Shock, Acute Respiratory Distress Syndrome, Heart Failure and Pulmonary Vascular Conditions, Interstitial lung disease, infections in the immunocompromised patient, Lung Cancer and pulmonary compromise associated with specific lung injuries (trauma, near drowning, smoke inhalation and burns).

Prerequisites & Notes: Prerequisite: 3205 with a grade of at least a ”C”.

Co-Requisite: RTH-3523.

Credits: 2cr

- **RTH 3523 - CLINICAL PRACTICUM III**

The primary focus of the RTH 3523 Clinical Practicum III course is the assessment, development and implementation of a respiratory care plan for the stable and critically ill patients. Clinical time will be devoted to care of adult patients requiring ventilatory support (both acute and long term) and each student will be returning to the arterial blood gas laboratory, pulmonary function laboratory, and operating room. Students will also participate in rotations through the specialty areas of home care, pulmonary rehabilitation and sleep disorders to gain knowledge and understanding of these aspects of respiratory care.

Prerequisites & Notes: Prerequisites: RTH-3110, RTH-3204, RTH-3205, RTH-3211 & RTH-3222 with a grade of at least a “C” in each.

Co-requisite: RTH-3506.

Credits: 4cr

- **RTH 4108 - PERINATAL/PEDIATRIC RESPIRATORY CARE**

Students will learn the pathology, pathophysiology, diagnosis and treatment of the cardiopulmonary diseases unique to the newborn and pediatric patient population. There will be discussion of the development of the fetus, high-risk pregnancies and the rolls of respiratory therapists in labor and delivery. This course is intended to prepare the student for hands-on clinical rotation to the neonatal and pediatric intensive care units and introduce the student to this area of specialization.

Prerequisites & Notes: Prerequisites: RTH-3110, RTH-3204, RTH-3205 & RTH-3211 with at least a “C” in each.

Co-requisites: RTH-4111, RTH-4112 & RTH-4124.

Credits: 3cr

- **RTH 4111 - MECHANICAL VENTILATION II**

The mechanics of ventilation and breath delivery is presented along with an introduction of ventilators. Discussion includes the mechanics of ventilator modes classification, the control interrelations, the electro-pneumatic/microprocessor system and the audiovisual alarm systems, a selection of current ventilator models are presented during lab and provide hands on experience in troubleshooting, setup, control function, alarm setting and mode changes. A selection of current ventilator models is presented using labs to provide hands-on experience in troubleshooting, setup, control function, alarm setting and mode change.

Prerequisites & Notes: Prerequisite: RTH-3211 with at least a “C” grade.

Co-requisites: RTh-4108, RTH-4112 & RTH-4124.

Credits: 3cr

- **RTH 4112 - ADVANCED CARDIOPULMONARY CARE**

A discussion of the care of patients with cardiovascular problems. Hemodynamics of critically ill patients is emphasized and discussion of how ventilator management affects hemodynamic status.

Prerequisites & Notes: Prerequisites: RTH-3110, RTH-3204, RTH-3205 & RTH-3211 with at least a grade of “C” in each.

Co-requisites: RTH-4111, RTH-4108 & RTH-4124.

Credits: 3cr

- **RTH 4124 - CLINICAL PRACTICUM IV**

Application of respiratory care to the patient in critical and long-term ventilator unit. The student will demonstrate competence in the arterial blood gas and pulmonary function labs and continue practicing endotracheal intubation and assisting the physician with bronchoscopy. Students will complete a course in Advanced Cardiovascular Life Support (ACLS) and east the American Heart Association certification in ACLS.

Prerequisites & Notes: Prerequisite: RTH-3523 with a grade of at least a “C”.

Co-requisites: RTH-4108, RTH-4111 & RTH 4112.

Credits: 5cr

- **RTH 4216 - RESPIRATORY CARE LEADERSHIP AND MANAGEMENT**

This course provides a discussion of current practices/trends of techniques used in the leadership of the health care environment. Emphasis will be placed upon specific skill sets used by managers of today’s workforce.

Prerequisites & Notes: Prerequisites: RTH-4112 & RTH-4124 with a grade of at least a “C” in each.

Co-requisites: RTH-4224 & RTH-4225.

Credits: 3cr

• RTH 4224 - RESPIRATORY THERAPY SEMINAR

This is an advanced course that includes a comprehensive review of respiratory care research. A discussion of the methods of scientific research including an overview of the research process, components of a research paper, developing research questions, framing a hypothesis, performing a literature search and review, and designing a research proposal.

Prerequisites & Notes: Prerequisites: RTH-4112 & RTH-4124 with at least a grade of “C” in each.

Co-requisites: RTH-4216 & RTH-4225.

Credits: 3cr

• RTH 4225 - CLINICAL PRACTICUM V

This final clinical course provides the student with many opportunities to integrate didactic knowledge and psychomotor skills in preparation for the respiratory therapy national board (NBRC) exams as well as future employment. The student continues to practice and demonstrate competence in several areas including care of the critically ill patient, floor therapy, endotracheal intubation, arterial blood gas and pulmonary function labs and assisting the physician with bronchoscopy. Specialty rotations are included to the neonatal intensive care unit, pediatric intensive care unit and physician rounds.

Prerequisites & Notes: Prerequisites: RTh-4124, RTH-4108, RTH-4111 & RTH-4412 with a grade of at least a “C” in each and health care provider BLS and ACLS certification.

Co-requisites: RTH-4216 & RTH-4224.

Credits: 5cr

• RUS 1101 - INTRODUCTORY RUSSIAN I

Oral alphabet drill, written alphabet drill, study of specific letters and sounds, pronunciation and orthography, personal pronouns, present tense, first conjugation verbs, accusative of personal pronoun questions, indirect questions and negation, present tense, second conjugation verbs, reflexive verbs, gender of nouns, accusative of nouns (direct objects), verbs of going, months and years with numbers, prepositional case of nouns, possessive pronouns/adjectives.

Prerequisites & Notes: Prerequisite: proven foreign language ability.

Credits: 3 cr.

• RUS 1102 - INTRODUCTORY RUSSIAN II

Dative case of pronouns, double negatives, conjunctions. Noun plurals, stress shift in plurals, geographical information, expressions with dative, demonstrative pronouns, adjectives, superlative degree, past tense, future tense, accusative of adjectives/possessive

pronouns, relative pronouns, partitive genitive, instrumental case with prepositions.

Prerequisites & Notes: RUS 1101.

Credits: 3 cr.

- ## RUS 2201 - INTERMEDIATE RUSSIAN I

The perfective and imperfective aspect of verbs, dates and the negative case, dative case of nouns, adjectives and pronouns, instrumental case without prepositions, relative pronouns, partitive genitive, passive voice, instrumental case with prepositions, masculine nouns with stressed endings, genitive plural, adjectives modified by numbers, dative, instrumental and prepositional plural, indefinite pronouns, adjectives and adverbs, comparative degree of adjectives and adverbs, reading of simple texts.

Prerequisites & Notes: RUS 1101 and RUS 1102 or equivalent.

Credits: 3 cr.

- ## RUS 3370 - FOREIGN STUDY - CREDIT ARRANGED

Open to students who wish to study abroad. Plans for foreign study should be presented at least one semester prior to departure. Number of credits granted will be based upon validated credentials presented to the department. The student should register for RUS 3370 - RUS 3380 prior to departure. Students should consult the regulations for study-abroad available in the Office of the Provost/Vice President for Academic Affairs.

Credits: 1 - 3 cr.

- ## RUS 3371 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description.

Credits: 1 - 3 cr.

- ## RUS 3372 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description.

Credits: 1 - 3 cr.

- ## RUS 3373 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description.

Credits: 1 - 3 cr.

- ## RUS 3374 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description.

Credits: 1 - 3 cr.

RUS 3375 - FOREIGN STUDY - CREDIT ARRANGED

See RUS 3370 for course description.

Credits: 1 - 3 cr.

SCI 1104 - FORENSIC SCIENCE

Forensic science is the application of science to law. this course will study the collection and identification of materials used as evidence. This will include an understanding of their physical and chemical nature and origins at the crime scene. Further, the student will utilize the collected evidence to suggest scenarios for crime scenes.

Credits: 3 cr.

SCI 1107 - PHYSICAL SCIENCE I

An introduction to astronomy, forces and motion, and energy. Students will often construct laboratory apparatus from readily available sources to make physical measurements. This general education course is particularly suitable for elementary education majors.

Credits: 3 cr.

SCI 1108 - PHYSICAL SCIENCE II

An introduction to the atom, chemistry, electricity and magnetism, sound, and light. Students will often construct laboratory apparatus from readily available sources to make physical measurements. This general education course is particularly suitable for elementary education majors.

Credits: 3 cr.

SCI 1125 - THE SCIENCE OF MUSIC

Provides scientific explanations for the physical basis of sound and music. Topics will include: what comprises music versus noise, the biological interpretation of music, how sounds are made with different instruments, and digital aspects of modern music production and engineering. Explanation will require an introduction to Newton’s laws of motion, wave mechanics and acoustics, and some basic concepts of electricity and circuits. Students will explore these ideas hands on in the lab portion of the course.

General Education Requirement: Approaches to Knowledge - Natural and Physical Sciences

SCI 2264 - COURTROOM PROCEEDINGS AND TESTIMONY

This course provides the student of forensic science a practical look inside the courtroom and the expectations of an expert witness.

Some topics to be covered during this course include: the role of each player in a courtroom proceeding; the procedures involved in the direct and cross examination of experts; the types of expert testimony; the expectations of dress, demeanor and delivery when providing expert testimony; and the importance of ethical behavior when providing expert testimony.

Prerequisites & Notes: Take: SCI 1104 or CJA 1100.

Credits: 1cr.

- ## SCI 3270 - NANOTECH LAB EXPERIENCE

An intensive nanotechnology laboratory experience. Topics covered include: material safety and equipment; basic nanotechnology processes; thin film deposition; lithography; materials modification; and device characterization, packaging, and testing.

Prerequisites & Notes: Permission of Nanotechnology Coordinator required.

Credits: 18 cr.

- ## SCI 4400 - SPECIAL TOPICS IN SCIENCE EDUCATION

This is a course for one to three credits for practicing teachers and for graduate and undergraduate students who are enrolled in education programs. The course may focus on one or more physical science topics, but content, activities, and methods will be treated with equal importance for a variety of classroom settings. The information, ideas, and activities obtained will be timely and useful to teachers in their classrooms.

Credits: 1 - 3 cr.

- ## SFM 1101 - INTRODUCTION TO ENVIRONMENTAL HEALTH AND SAFETY

An introduction to the basic principles and implementation of Environmental Health and Safety in industrial and other types of organizations. Required as a first course for students enrolled in the Environmental Health and Safety major.

Credits: 3 cr.

- ## SFM 1800 - JOB SITE SAFETY

This course will cover basic safety procedures and OSHA regulations pertaining to common work sites, including well pads.

Credits: 3 cr. Dual Listed/Cross Listed: GEG-1800

- ## SFM 2002 - REGULATION OF INDUSTRAIL HEALTH AND SAFETY

An overview of the regulation of industrial health and safety. Students will gain an understanding of industrial and occupational health and safety, safety legislation and regulation, ergonomics and safety management, fire prevention and protection, safety systems, and various resources for ensuring the health and safety of an industrial workforce. Special attention will be given to the safety needs of the gas production and service industry.

Prerequisites & Notes: SFM-1101

Credits: 3 cr.

- ## SFM 3000 - REGULATION OF INDUSTRIAL HEALTH AND SAFETY

This course builds on concepts covered in SFM 1101 Introduction to Environmental Health and Safety. Specific standards and regulations, including those contained in 29CFR1910, will be covered. Additional topics include an overview of the legal and ethical dimensions of safety management as well using trend analysis to reduce workplace hazards.

Prerequisites & Notes: Take SFM-1101.

Credits: 3cr.

- ## SFM 3001 - SAFETY PROGRAM MANAGEMENT

An overview of strategies for developing and managing safety programs. Students will gain an understanding of the elements of effective cultures of safety and design a basic safety education program for a simulated workplace need.

Prerequisites & Notes: SFM-1101

Credits: 3 cr.

- ## SFM 3002 - CRITICAL INCIDENT MANAGEMENT

A comprehensive overview of critical incident management. Students will gain an understanding of best practices for managing critical incidents that may put lives, property, or the environment at risk. Simulations of critical incidents will be used to ensure students learn relevant skills.

Prerequisites & Notes: SFM-1101

Credits: 3 cr.

- ## SFM 3003 - HUMAN FACTORS IN SAFETY

An overview of human factors in safety management and accident prevention. Students will review theories of human factors in safety and learn through case analysis ways to reduce the probability of accidents by more effectively recognizing risks and managing human behaviors at the worksite.

Prerequisites & Notes: SFM-1101

Credits: 3 cr.

- ## SFM 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. May be taken for 1-5 credits and

repeated for a total of 5 credits. Practicums are grades S and U-they do not affect your QPA.

Prerequisites & Notes: 30 earned credits and permission of instructor.

Variable Credits: 1-5cr

- ## SFM 3100 - FIRE SAFETY

Fire Safety provides an overview of fire prevention; fire behavior and fire suppression systems. Topics include the chemistry of fire; the Life Safety Code and other related safety codes; fire prevention methods and measures; types, and functions and features of some of the most common fixed and portable extinguishing systems.

Prerequisites & Notes: Take SFM-1101

Credits: 3cr.

- ## SFM 3200 - INDUSTRIAL HYGIENE

The course concentrates on concepts, terminology, and methodology in the practice of industrial hygiene. Sampling techniques for various contaminants, air and noise pollution, in particular are also covered.

Prerequisites & Notes: Take SFM 1101, MA 1135.

Credits: 3cr.

- ## SFM 4495 - INTERNSHIP

An out-of-class learning experience that allows students to observe or participate in applied work. May be taken for 6-12 credits and repeated for a total of 12 credits. Internships are grades S or U-they do not affect your QPA.

Prerequisites & Notes: 30 earned credits and permission of instructor.

Variable Credits: 6-12cr.

- ## SOC 1101 - INTRODUCTION TO SOCIOLOGY

Introduction to the basic concepts, premises, and techniques involved in the scientific approach to the study of human societies. Analysis is made of selected aspects of social behavior at interpersonal, intergroup, and societal levels. Global perspectives are explored.

Credits: 3 cr.

- ## SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

A survey of the major problems in contemporary society with special attention to the major paradigms (conflict, functionalist, interactionist) that are used to interpret the formation of social policy and social movement. Special focus is on social and economic justice and populations at risk globally and locally.

Credits: 3 cr.

SOC 2200 - RACISM IN AMERICA

This course examines the diversity of race and ethnicity in the U.S. Race is one of the most critical, divisive, and defining issues in the United States today. Using a sociological approach, this course treats race and ethnicity as social constructs that permeate social life, are entrenched in social structures and institutions, and change over time and place. The course examines how the construct of race develops in relationship to other systems of social differentiation, including class and gender. We will consider how these coexisting social hierarchies shape identities, determine life chances, establish relationships of marginality and privilege, and generate social stability and conflict.

Credits: 3 cr.

SOC 2203 - TELEPHONE SURVEY RESEARCH

Provides training in applied social research. Students are directly involved in constructing an interview schedule, selecting a sample, conducting telephone interviews, coding and analyzing data, and writing a report.

Prerequisites & Notes: SOC 1101, PSY 1101 or ANH 1101.

Credits: 3 cr.

SOC 2232 - AMERICAN FAMILY SYSTEMS

An examination of the diversity of marriage and family life in American society as reflected in changing social conditions and social policies. Focus is given to social and economic justice and populations at risk, including the identification and function of values, norms, and codes relevant to marriage and family decision making.

Credits: 3 cr.

SOC 2260 - SOCIAL STRATIFICATION

This general education course provides an introduction to the study of social stratification in the United States of America and around the world. Students will investigate the dimensions of inequality among social positions analyze the means by which individuals, groups and countries attain unequal rank, and critique theories of this intersection of class, race, gender and country. Explores the problems associated with theorizing about and measuring social class.

Credits: 3 cr.

- **SOC 3280 - SOCIOLOGY OF DEVIANT BEHAVIOR**

Explores sociological theories and research on deviant behavior. Emphasis is on understanding the social construction of what is considered deviance in society, the social patterns behind deviant behavior within society, and how deviance is a necessary part of society. Major and minor forms of deviant behavior will be explored using these perspectives.

Credits: 3 cr.

- **SOC 3301 - ORGANIZATIONAL BEHAVIOR**

Overview of the major concepts, theories, and research findings in the field of organizational behavior. Examines the sociological analysis of organizations in modern society, the social dimensions of high performance organizations, and how to direct and lead individuals, groups and organizations.

Credits: 3 cr.

- **SOC 3305 - SOCIOLOGY OF RELIGION**

Analysis of the interrelationships between religion and other aspects of society, particularly with reference to the problems of order and change.

Credits: 3 cr.

- **SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION**

Examines the basic relationship of research with social theory, the challenges of defining a problem for study, the selection of an appropriate sample, and the challenges faced in using various techniques to collect data from a sample. Careful consideration is given to the ethical issues that arise in the conduct of research.

Credits: 3 cr.

- **SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS**

Covers how social scientists handle quantitative data. Reviews the scientific method, causality, the types of variables encountered in social research, and how data informs social theory. The focus is on learning basic techniques for describing social science data and testing for relationships between variables. Includes training in statistical software package and student-driven applied research projects; thus previous training in statistics strongly recommended.

Credits: 3 cr.

- **SOC 3310 - SOCIOLOGY OF SEX AND GENDER**

This course introduces major sociological concepts, theories, and perspectives about gender and sex. The main purpose of this course is to explore how society and culture work together to shape our lives and our gender identities. The course will explore the relationship between gender and major social institutions, such as family and economy. This will examine how culture, economy, and

education, maintain, reproduce, and change gender roles within the United States and across the world.

Prerequisites & Notes: Must have 24 earned credits.

Credits: 3 cr.

- ## SOC 3320 - SOCIOLOGY OF GLOBALIZATION

Globalization is profoundly remaking social structure and transforming the lives of people in every corner of the planet. The objective of this course is to survey the distinct themes sub-areas that make up the sociology of globalization. These include: theories of globalization; the global economy; political globalization; globalization and culture; transnational civil society/transnational social movements; globalization and gender/race/ethnicity; and transnational migration, etc.

Credits: 3 cr.

- ## SOC 3322 - SOCIOLOGY OF AGING

Analyzes the influence of social interaction upon the process, stages, and problems of aging, particularly of older age. Student-conducted oral history is utilized not only as a catalyst for intergenerational understanding and respect, but also as a therapeutic social work technique designed to enhance the self-image of older people by having them look back over their personal histories and through that process help them to meet the human need to attain a self-appreciation of the validity and significance of their lives.

Credits: 3 cr. Dual Listed/Cross Listed: SOC 5522.

- ## SOC 3336 - POLITICAL SOCIOLOGY

Covers the intersection of sociology and politics. Investigates the development of policy issues, people's reactions and responses to them, and resolution of the issues in the public arena. Focuses on the dynamics of power and influence in the social relations: who has power, who does not, and why.

Credits: 3 cr.

- ## SOC 3342 - ENVIRONMENTAL SOCIOLOGY

Environmental sociology explores how the environment, society, politics, economics, technology and the individual intersect. Key contemporary environmental debates are investigated. Topics covered include the environmental movement, the sustainable development debate, capitalism and technology, global warming, environmental justice and the ecological society. Theory and empirical studies inform the exploration.

Credits: 3 cr

- ## SOC 3350 - SELECTED TOPICS SEMINAR

Review of a specialty area in anthropology, sociology or the study of a problem from an interdisciplinary position.

Prerequisites & Notes: Upper division standing and permission of instructor.

Credits: 1 - 6 cr. Notes: May be taken for 1 through 6 credits.

SOC 3357 - SOCIOLOGY OF EDUCATION

This course is designed to introduce students to the major sociological theories and research in the area of education. Students will examine the history and structure of education in the U.S. and how the U.S. compares with other countries. Understanding who makes it and who doesn't in the U.S. education system and why, is the major focus of the course.

Credits: 3 cr.

SOC 3360 - SOCIOLOGY OF MEDICINE

This course includes the sociological study of physical health and illness, therapy, rehabilitation, and the organization of health care systems in the United States. It examines help-seeking behaviors, utilization of health care services, issues of bioethics, and the roles of health care service providers all from the sociological perspective. Race, class, and gender stratification within the health care system will also be explored.

Prerequisites & Notes: Must have 45 earned credits.

Credits: 3 cr.

SOC 3365 - DISABILITY AND SOCIETY

This course examines the influence of societal structure in the socialization of persons with disabilities. It examines various perspectives to view disability. Students also learn the complexity and diversity of sociological issues surrounding disability, including those arising from the family, parenting, school, workplace and society, as well as social movements related to disability and other socialization issues.

Prerequisites & Notes:

Must have 30 earned credits.

Credits: 3 cr.

SOC 3370 - SOCIOLOGY OF CHILDHOOD

This course explores the nature of childhood and the development and socialization of children from infancy through adolescence. Through course readings, assignments, and discussions, the course will cover the agencies and social forces that shape children. This course will incorporate the perspective, which rather than assuming that children are passive participants starts from the assumption that children are active participants who both shape and are shaped by their social world. The course will also address the future of childhood which might be especially beneficial to current or future policy makers.

Prerequisites & Notes: 30 earned credits.

Credits: 3 cr.

SOC 3388 - SOCIOLOGY OF CHINA

Sociology of China surveys sociological concepts as they are applied by sociologists who study China. Research and writing on Chinese society from the core substantive areas within sociology will be covered including culture, theory, family, social interaction, social stratification, education, social movements, the environment, the economy and so on. Students will develop an understanding of present day China and how it has been evolving.

Prerequisites & Notes: Must have 24 earned credits

Credits: 3cr

- ## SOC 3395 - SOCIOLOGY OF WORK

This course provides a critical introduction to work and occupations in American society. It uses theory, empirical data, and research findings to explore how work is shaped by the structure of society. Students engage in fundamental sociological analysis of work and its history, organization, culture, inequalities, diversity, on-the-job characteristics, connections to power, and intersection with other spheres of social life.

Prerequisites & Notes: Must have 24 earned credits

Credits: 3cr

- ## SOC 3415 - AMERICAN VALUES IN CONFLICT

Analyzes American values and values conflicts from a sociological perspective, placing such values and conflicts within a context of ideological orientation, ethnic/racial and social class diversity, group interaction, socio-cultural change, and societal policy.

Prerequisites & Notes: 30 earned credits

Credits: 3cr

- ## SOC 4441 - ORGANIZATIONAL INTERNSHIP

Provides experience in the regular activities of a business, government agency, or social service organization. Students will prepare an analysis of the organization's role system and its real or potential area of stress.

Prerequisites & Notes: Permission of instructor; SOC 3301 strongly recommended.

Credits: 6 - 15 cr.

- ## SOC 4449 - PRACTICUM

This course is designed to provide an applied experience working in an agency or organization. Students will develop an understanding of organization's position in the community. The student should become aware of the agency/organization's social interaction patterns, the organization's mission and role, and its strengths and weaknesses. Students are expected to help the organization reach its goals through the application of sociological concepts and training.

Credits: 3 cr.

- **SOC 4480 - SOCIAL SCIENCE THEORY**

Course examines classical theorists who have contributed to the development of sociology and anthropology. Students review the historical, societal and intellectual situation surrounding the classical theorists, the linkages between their work, their backgrounds, and the major contributions that they have provided. The role of theory in the process of conducting social science research is illuminated.

Prerequisites & Notes: 12 semester hours of Sociology courses or permission of instructor.

Credits: 3 cr.

- **SOC 4495 - SENIOR SEMINAR**

This course provides Sociology and Anthropology majors an opportunity to integrate their learning experiences. Two aspects of these learning experiences will be demonstrated through 1) career-oriented learning applications and 2) academic learning applications. Students will create a portfolio and a capstone paper and do a professional presentation in the chosen focus area.

Prerequisites & Notes: 60 earned credits.

Credits: 3 cr.

- **SOC 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **SPA 1101 - INTRODUCTORY SPANISH I**

For students who have not previously studied Spanish. Fundamentals of grammar, intensive drill in pronunciation, comprehension, and speaking. Two hours language laboratory required weekly.

Credits: 3 cr.

- **SPA 1102 - INTRODUCTORY SPANISH II**

Continuation of SPA 1101, two hour language laboratory weekly.

Prerequisites & Notes: SPA 1101 or equivalent.

Credits: 3 cr.

- **SPA 1111 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE I**

Spanish for Special Purposes: Healthcare I is a beginning level Spanish course designed to help students develop basic language skills

within the context of the health field. It constitutes the first of a four course sequence that approaches language learning through intercultural literacy. This course emphasizes the use of Spanish in realistic and practical situations within the medical environment, while underscoring the cultural richness and diversity of the Latin American and Caribbean patient's background.

Credits: 3cr.

- ## SPA 1112 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE II

Spanish for Special Purposes: Healthcare II is the second beginning level Spanish course designed to help students develop basic language skills within the context of the health field. It constitutes the second part of a four course sequence that approaches language learning through intercultural literacy. This course emphasizes the use of Spanish in realistic and practical situations within the medical environment, while underscoring the cultural richness and diversity of the Latin American and Caribbean patient's background.

Prerequisites & Notes: SPA 1101 or SPA 1111 and instructor's permission.

Credits: 3cr.

- ## SPA 2201 - INTERMEDIATE SPANISH I

Continuation of SPA 1102, grammar review.

Prerequisites & Notes: SPA 1102 or equivalent.

Credits: 3 cr.

- ## SPA 2202 - INTERMEDIATE SPANISH II

Continuation of SPA 2201.

Prerequisites & Notes: SPA 2201 or equivalent.

Credits: 3 cr.

- ## SPA 2205 - PHONETICS AND PRONUNCIATION

A study of the speech organs, place and manner of articulation of Spanish phonemes and their phonetic realizations, along with extensive practice exercise on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to some Spanish dialects and regional pronunciation patterns.

Prerequisites & Notes: SPA 1102 or equivalent; SPA 2201 or higher is preferred.

Credits: 3 cr.

- ## SPA 2213 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE III

Spanish for Special Purposes: Healthcare III is the first intermediate level Spanish course in the Spanish healthcare sequence designed to help students develop language skills within the context of this field. It constitutes the third part of this four course sequence that approaches language learning through intercultural literacy. This course emphasizes the use of Spanish in realistic and practical situations within the medical environment, while underscoring the cultural richness and diversity of the Latin American and Caribbean patient's background.

Prerequisites & Notes: SPA 1102 or SPA 1112 and instructor permission.

Credits: 3cr.

- ## SPA 2214 - SPANISH FOR SPECIAL PURPOSES: HEALTHCARE IV

Spanish for Special Purposes: Healthcare IV is the second intermediate level Spanish course in the Spanish healthcare sequence designed to help students develop language skills within the context of this field. It constitutes the last part of this four course sequence that approaches language learning through intercultural literacy. This course emphasizes the use of Spanish in realistic and practical situations within the medical environment, while underscoring the cultural richness and diversity of the Latin American and Caribbean patient's background.

Prerequisites & Notes: SPA 2201 or SPA 2213 and instructor permission.

Credits: 3cr.

- ## SPA 2225 - SPANISH GRAMMAR REVIEW

SPA 2224 is a transition course between the intermediate and advanced level Spanish courses. It provides intensive Spanish grammar review and practice. It emphasizes the foundations of grammar and their expression in conversation, writing, and reading. In this course, students will increase their grammatical competency and command, as well as, work towards developing a more complex grammatical expression.

Prerequisites & Notes: SPA 2201, SPA 2202 or permission of instructor.

Credits: 3 cr.

- ## SPA 3300 - SPANISH CONVERSATION

Practice in oral self-expression and comprehension. Selected topics assigned for each class.

Prerequisites & Notes: SPA 2202 or permission of instructor.

Credits: 3 cr.

- ## SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES

SPA 3301 is an upper level conversation course designed to move students from intermediate to advanced level oral proficiency. All class activities will focus on contemporary Hispanic issues and will consist of individual/group presentations, debate, and discussion.

Prerequisites & Notes: SPA 2201, SPA 2202 or permission of instructor.

Credits: 3 cr.

- ## SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN

Examines the history of customs and institutions of Spain. Emphasizes the effect of history on general culture and customs of present-day Spain.

Prerequisites & Notes: SPA 2202 or equivalent.

Credits: 3 cr.

- ## SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA

Studies the history, customs and politics of Latin America. Emphasizes general characteristics: race, religion, life style, etc.

Prerequisites & Notes: SPA 2202 or equivalent.

Credits: 3 cr.

- ## SPA 3310 - INTRODUCTION TO LITERARY STUDIES

SPA 3310 in an introductory course in literary studies. In this course, students will read a diverse but representative collection of short Peninsular and Latin American literary texts, concentrating on their form, creation, context, and meaning. As a result, students will develop better reading, critical thinking, and evaluative skills.

Prerequisites & Notes: SPA 2202 or permission of instructor.

Co-requisite - SPA 2225

Credits: 3 cr.

[Archived Catalog]

Courses

Contract All Courses |

- ### SPA 3320 - ADVANCED SPANISH STRUCTURE

  Study and application of Spanish structural patterns; emphasizes syntax.

  Prerequisites & Notes: SPA 2202 or equivalent.

  Credits: 3 cr.

- ### SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN

  SPA 3351 is a Peninsular Literature course designed to enhance and refine the introductory literary skills gained in SPA 3310. As a topics course it will vary each semester in thematic focus. Nevertheless, one can expect to study in detail a particular era, writer, genre, or Peninsular literary phenomena. Some examples might include: The Medieval Text, Golden Age Theater, Cervantes, Becquer, The Realist versus Surrealist Text, The Works of Garcia Lorca, Literature of Exile, Feminist Voices in Spanish Literature, New Theater, or Avant-garde Movements.

  Prerequisites & Notes: SPA 3310 or permission of instructor.

  Credits: 3 cr.

- ### SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA

  SPA 3360 is a Latin American Literature course designed to enhance and refine the introductory literary skills gained in SPA 3310. As a topics course it will vary each semester in thematic focus. Nevertheless, one can expect to study in detail a particular area, writer, genre, or Latin American literary phenomena. Some examples might include: Latin American Parody, Journalism and Art Criticism in Latin America, the Avant-garde, Latin American Children's Literature, Feminist Voices in Latin American Literature, or Experimental Urban Theater.

  Prerequisites & Notes: SPA 3310 or permission of instructor.

  Credits: 3 cr.

- ### SPA 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- ## SPE 1001 - FOUNDATIONS IN SPECIAL EDUCATION

Examines the nature and need of persons who are exceptional in emotional, social, physical, and intellectual development. Discussions will include key historical foundations, major legislation, laws and policies, identification procedures, placement options, current issues and trends in Special Education. Observations in Special Education settings are required.

Credits: 3 cr. General Education Requirement: Professional Elective

- ## SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION

Examines the nature and need of persons who are exceptional in emotional, social, physical, and intellectual development, including the gifted and talented. Discussions will include career opportunities, social issues, current trends in Special Education, rehabilitation and related settings. Observation in Special Education settings will be available.

Credits: 3 cr. General Education Requirement: Professional Elective

- ## SPE 2270 - EARLY CHILDHOOD DISABILITIES

Examines the nature, needs and education of young children with disabilities in infant-toddler, preschool, and primary programs. Emphasis will be on identification, multi-disciplinary educational planning, parent counseling, agencies, and services. Coverage will include special classes, resource rooms and mainstream education including curriculum methods and materials plus the roles of other professionals. Observations and child studies are required.

Credits: 3cr

- ## SPE 2276 - INSTRUCTIONAL STRATEGIES FOR ENGLISH LANGUAGE LEARNERS

This course is designed to prepare pre-service teachers with the skills to provide linguistically and culturally appropriate instruction, assessment, and learning opportunities for students identified as English Language Learners (ELL). We will examine current trends and issues in Second Language Acquisition (SLA), theoretical notions and research in the study of language acquisition, enculturation, acculturation, and cognitive development.

Prerequisites & Notes: SPE 1001.

Credits: 3 cr.

- ## SPE 2290 - CULTURAL AND LINGUISTIC DIVERSITY

Designed to introduce multicultural and global education as a concept. Students will examine personal awareness and attitudes, cultural knowledge, instructional strategies, and curricular resources impacting PreK-12. Consideration will be given to the instructional needs of English Language Learners (ELL) and effective teaching/learning theories, approaches, research results, and public policies that pertain to diverse learners.

Credits: 3cr

- ## SPE 2300 - INSTRUCTIONAL PLANNING and DESIGN

Teacher education candidates will examine the components of curriculum development, content and adjustments. Students will develop knowledge and skills in goal development, instructional delivery options, and instructional planning for students in a variety of service delivery options. In addition, student will review the purposes of assessment in the curriculum development and modification process. Students will be required to interview a special education teacher and a special education administrator.

Prerequisites & Notes: SPE 1001.

Credits: 3 cr.

- ## SPE 2350 - SUPPORTING STUDENTS WITH DISABILITIES IN INCLUSIVE SETTINGS

This course will introduce the learning and behavioral characteristics of students who have been diagnosed with high or low-incidence disabilities. This will examine the etiology of different disabilities and how they can be supported in the general education setting. An overview of instructional strategies, learning styles, and organizations that serve both of these populations.

Credits: 3cr

- ## SPE 3270 - MENTALLY AND PHYSICALLY DISABLED

Introduction to etiology, characteristics, education, management, and laws pertaining to children and adults with mental and physical disabilities.

Prerequisites & Notes: SPE 1101 or permission of instructor.

Credits: 3 cr.

- ## SPE 3275 - INCLUSION OF DIVERSE LEARNERS

This course is designed to prepare teacher candidates to teach in schools which are becoming diverse. Issues, which include gender, social class, race, ethnicity, disabilities and religion, will be discussed. The teacher candidate will develop skills in teaching pedagogy, assessment curriculum development and teacher student relationships.

Credits: 3 cr.

- ## SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT

Examines the etiology of emotional disturbance with concentration on the characteristics, diagnostic procedures, therapy, educational strategies, instructional materials, and relevant research in relation to the education of emotional/behavioral disturbance. Includes observation and child study experience.

Credits: 3 cr.

- ## SPE 3290 - LEARNING DISABILITIES

Introduction to the definition, identification, etiology, and epidemiology of learning disabilities with a particular emphasis on methods of differential diagnosis and educational procedure. Remediation strategies, classroom management, and research will be studied.

Credits: 3 cr.

- ## SPE 3291 - HIGH INCIDENCE DISABILITIES

The focus of this course will be on the specific disabilities that are considered to be high incidence in the field of special education. In relation to these disabilities, particular attention will be given to the causation, inclusion (including legislation and documentation), instruction (both in general and special education) with needed modifications, and evaluation of progress related to the IEP. Highlights will include development of adaptations and accommodations, literacy skills development, and cognitive skills development. A field component is a required part of this course

Prerequisites & Notes: SPE 2350.

Credits: 3 cr.

- ## SPE 3300 - CURRICULUM DEVELOPMENT & ADJUSTMENT

Examines curriculum development, adjustments, methods, and materials in Special Education. Studies IEP goals, school organization, grouping, planning unit instruction, teaching-learning process, evaluating pupil progress, and parent and other agency relationships.

Prerequisites & Notes: SPE 3270 or permission of instructor.

Credits: 3 cr.

- ## SPE 3315 - COMMUNICATION DISORDERS AND ASSISTIVE TECHNOLOGIES

Designed to provide an overview of communication needs for individuals with disabilities. Language development, assistive technology and alternative communication systems will be explored. The scope of this course is intended to enable students to become familiar with assessment and intervention strategies for students with communication disorders.

Prerequisites & Notes: SPE 1001.

Credits: 3 cr.

- ## SPE 3346 - LITERACY INSTRUCTION FOR STUDENTS WITH DISABILITIES

Designed to address the needs of pre-service teachers who have the responsibility for literacy development and instruction for students with disabilities. Emphasis will be given to literacy components, evidence-based practices, and varying challenges students with disabilities have in learning to read and write.

Prerequisites & Notes: SPE 1001.

Credits: 3cr

- ## SPE 3351 - BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION

This course content will rely heavily on evidence-based practices from the field of applied behavior analysis. The strategies for addressing behavior concerns in the classroom will emphasize research documented positive behavioral supports, including antecedent control techniques and discrimination training. A tiered intervention approach will be presented to respond to the intensity of the behavioral concern.

Prerequisites & Notes: SPE 2290 or SPE 2350.

Credits: 3 cr.

- ## SPE 3352 - ASSESSMENT and EVIDENCE-BASED BEHAVIOR SUPPORT FOR INCLUSION

This course is intended to expose students to three knowledge areas in order to facilitate inclusion: requirements in assessing the educational needs of children who may require special education services, awareness of social/emotional development and the skills required to establish a positive behavioral support classroom environment. Both process (informal assessment) and product (formal assessment) will be considered. For positive behavior support; functional assessment/functional analysis, antecedent control techniques and reinforcement will be emphasized.

Prerequisites & Notes: SPE 1001.

Credits: 3 cr.

- ## SPE 3361 - AUTISM AND BEHAVIOR DISORDERS

Students will review evidence-based practices for the intervention with students who have behavior disorders and/or are diagnosed with Autism Spectrum Disorder. The class will review procedures and processes for the general education classroom as well as focus on individual interventions for students who demonstrate more disruptive behavior. This class will focus on interventions for students who have already been identified as in need of special education services. A field component will be arranged.

Prerequisites & Notes: Take 3 credits from subject SPE.

Credits: 3cr

- ## SPE 3370 - EARLY CHILDHOOD DISABILITIES

Examines the nature, needs, and education of young children with disabilities in infant-toddler, preschool, and primary programs. Emphasis will be on identification, multi-disciplinary educational planning, parent counseling, agencies, and services. Coverage will include special classes, resource rooms, and mainstream education including curriculum, methods, and materials plus the roles of other professionals. Observations and child studies are required.

Prerequisites & Notes: Permission of instructor.

Credits: 3 cr.

- ## SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION

This course will examine the requirements for the assessment of students with special needs who may require special education services. This will review information related to standardized testing requirements as well as the types of scores used to make eligibility determinations for eligibility. Students will be exposed to the assessment-instruction cycle. This will include practice in utilizing and interpreting assessments.

Prerequisites & Notes: SPE 2290 or SPE 2350.

Credits: 3 cr.

- ## SPE 3390 - METHODS FOR INDIVIDUALS WITH MILD DISABILITIES

Provides organizational procedures, curriculum practices, methods and techniques used in educating mildly handicapped students K-12 in need of academic learning support. Emphasis is on direct teaching, collaborative practices, transitional planning, and curriculum adaptation.

Prerequisites & Notes: SPE 1101 and SPE 3300.

Credits: 3 cr.

- ## SPE 3400 - BECOMING A PROFESSIONAL: SCHOOL EXPERIENCES IN BECOMING A PROFESSIONAL

A pre-student teaching intensive field experience course. Students will demonstrate knowledge, skills, and dispositions in pr-k-4th grade education. Field experiences will be marked by attentions to candidate reflection, continuous learning, research-validated and ethical practices, advocacy for children knowledge and understanding of diversity, collaboration with others, adapting instruction to individual student learning differences, and commitment to professional standards and growth.

Prerequisites & Notes: ELE-2800 and 60 earned credits.

Credits: 3 cr. Dual Listed/Cross Listed: ELE-3400

- ## SPE 3552 - ADVANCED EVIDENCE - BASED BEHAVIOR MANAGEMENT

This course content will rely heavily on evidence-based practices from the field of applied behavior analysis. The strategies for addressing behavior concerns in the classroom will emphasize research-documented positive behavioral supports, including antecedent control techniques and discrimination training. A tiered intervention approach will be presented to respond to the intensity of the behavioral concern. Field application of the behavior principles will be arranged.

Prerequisites & Notes: SPE 1001.

Credits: 3 cr.

- **SPE 4400 - STUDENT TEACHING**

(By arrangement). Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience under the supervision of master teachers in two different special classes in university established centers. Observations and conferences are scheduled by the departmental supervisor.

Credits: 12 cr.

- **SPE 4400L - SENIOR LAB: BECOMING A PROFESSIONAL**

This lab is designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

Credits: 0 cr.

- **SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED**

Observation and participation in classroom setting. Emphasizing teaching/learning process, selecting, organizing, and presenting lessons and materials. Projects and demonstrations required.

Prerequisites & Notes: SPE 1101. Co-requisites: SPE 3351, ELE 3383 and ELE 3384.

Credits: 3 cr.

- **SPE 4430 - TECHNOLOGY FOR SPECIAL EDUCATION**

This course will highlight ways in which technology can be used to increase access to curriculum, instruction, and social activities for students with disabilities in the general and special education setting. Students will use and understand how assistive technologies can increase educational access and improve achievement for students with special needs. This course will explore types of assistive technologies and resources needed and required in schools, community, home, and in preparation for the workforce. This will include the review of evidence-based practices, various technologies available, a review of UDL and ways in which it supports technology integration, as well as the integration of augmentative technologies to support communication and learning in all settings.

Prerequisites & Notes: Take SPE-1001.

Credits: 3 cr.

- **SPE 4440 - INSTRUCTIONAL STRATEGIES FOR LOW INCIDENCE DISABILITIES**

Teacher education candidates will study the nature and needs of children with moderate to severe disabilities. Focus will be on the educational and transitional needs of these candidates. The teacher education candidates will develop knowledge and skills in identification, assessment, educational techniques and strategies which are coupled with supportive measures, materials and techniques. Use instructional adaptations such as assistive technology will be stressed. A field component will be required.

Prerequisites & Notes: SPE-2350.

Credits: 3 cr.

• SPE 4445 - ADVANCED INSTRUCTIONAL METHODS IN SPECIAL EDUCATION

This course provides organizational procedures, curriculum practice, methods and techniques used in educating mildly handicapped students K-12 in need of academic learning support. Emphasis is on direct teaching, collaborative practices, transitional planning, and curriculum adaptation. This is achieved via large and small group class discussions, chapter readings, participation in a curriculum-based intervention in a general education classroom at the elementary level and other related exercises.

Prerequisites & Notes: SPE 2290 and SPE 2350.

Credits: 3 cr.

• SPE 4450 - INTERNSHIP

A supervised field experience in a professional setting serving individuals with disabilities.

Credits: 12 cr.

• SPE 4460 - PROFESSIONAL SEMINAR

Designed to develop and refine the professional competencies of the special education major prior to the field experience and/or accepting a professional position. Coverage includes general orientation to the profession, current issues, school organization and administration, techniques for seeking a professional position, the scope of the field of special education, and professional responsibilities.

Credits: 2 cr.

• SPE 4465 - ETHICS, SCHOOL LAW, AND PROFESSIONAL COLLABORATION

This course is an in-depth study of the legislation and litigation involved with individuals with disabilities specifically concentrating on those students between the ages of birth-21 years. A historical as well as current study of legislation used as the basis for providing special education services on the federal and state level will be covered. The legal system on the federal and state level is covered as well as critical litigations that have influenced the field of special education. The student will become knowledgeable about the legal precedence as well as state compliance timelines and requirements for all that they do as a special educator. Students will review and discuss process for ethical decision-making and apply those processes to case studies. Additionally, students will review effective collaboration practices related to inclusive practices and develop a plan for collaboration with other teachers, families, and community agencies.

Prerequisites & Notes: SPE-1001

Credits: 3cr

• SPE 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic

discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

- ## SWK 1500 - SOCIAL WORK AND POPULAR CULTURE USING MOVIES

Analyzes the Social Work profession as portrayed in popular culture. Popular culture will be explained and defined. The most current theories will be used to give the courses context. Several movies representing popular culture will be viewed in order to synthesize the theories as they are applied to Social Work.

Credits: 3 cr.

- ## SWK 1800 - INTRODUCTION TO SOCIAL WORK

Introduces students to the profession of Social Work. Provides an overview of social work by familiarizing the students with a generalist perspective and includes issues such as diversity, populations at risk, and the values and ethics of the profession. Examines the history of the profession, social welfare policies, economic justice, and human behavior theories that are related to social work practice.

Credits: 3 cr.

- ## SWK 2246 - PROFESSIONAL IDENTITY AND PRE-PRACTICE EXPERIENCE

Builds upon the basic knowledge, values and ethics learned in introductory course with a student initiation into Social Work practice. Course components include: an overview of the program curriculum and degree requirements, content about professional values and behavior, and the application of communication techniques and basic helping skills that will ground students in generalist practice. Analysis of the ethical principles of the National Association of Social Workers will engage students in ethical-decision making. Exploration of the dynamic context of practice requires the completion of a 30-hour shadow observation in a social work setting.

Credits: 3 cr.

- ## SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS

Familiarizes students with the use of communication skills in professional social work, including written, verbal, and non-verbal communication. Exposes students to APA style writing, library resources, and an introduction to verbal and non-verbal communication with clients. Requires the completion of an early field education experience.

Credits: 1 cr.

- **SWK 2500 - DIVERSITY AND SOCIAL JUSTICE**

This online course increases awareness, knowledge, and understanding of issues related to diversity, human rights, social and economic justice. Students will examine the history of social welfare and the social work profession's response to oppression of at risk groups. Personal and interpersonal connections to power and privilege are explored. Topics include race and racism, classism, sexism, ableism, youth and elder oppression. Students will learn skills to mobilize power towards positive change in systems.

Credits: 3 cr.

- **SWK 2800 - SUBSTANCE USE & BEHAVIOR DISORDER COUNSELING FIELD PRACTICUM**

The Addiction and Substance use Field Practicum provides students with the hands on experience to refine the knowledge, values, ethics, and skills of the Addition and Substance use counselor for competent practice. The experience compels students to apply the various theory, skills, values, and perspectives they have been taught throughout their coursework. Students must complete 400 hours in a professional setting that provides service to individuals with substance use and behavior disorders.

Prerequisites & Notes: Take SWK 2246 & CHM 1105

Credits: 12 Notes: Internship

- **SWK 3300 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT**

Focuses on the reciprocal relationships between human behavior and social environments. Includes empirically based theories and knowledge that focus on the interactions between and among individuals, groups, societies, and economic systems. Includes theories and knowledge of biological, sociological, cultural, psychological, and spiritual development across the life span; the range of social systems in which people live (individual, family, group, organizational, and community); and the ways social systems promote or deter people in maintaining or achieving health and well-being.

Credits: 3 cr.

- **SWK 3301 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I**

This course provides foundation knowledge of human behavior and the social environments as a basis for direct practice with individuals, families and groups. It includes theoretical and empirical knowledge of system interactions with people's biological, sociological, cultural and psychological development across the life span. It
examines the ways that social systems promote or deter people in maintaining or achieving health and well-being.

Credits: 3 cr.

- **SWK 3302 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II**

The course focuses on human behavior and the social environment from the prespective of larger groups, organizations and communities. It includes empirically based theories and knowledge that analyzes interactions between and among cultures, groups, societies, the natural environment, economic and political systems. Students will learn the skills to engage in practices that advance social, economic, and environmental justice to promote human and community well-being.

Prerequisites & Notes: 15 earned credits.

Credits: 3 cr.

- ## SWK 3308 - EVALUATION RESEARCH

Provides an understanding of a scientific, analytic, and ethical approach to building knowledge for social work practice through qualitative and quantitative research content. Prepares students to develop, use, and effectively communicate empirically based knowledge and critical thinking skills, including evidence-based interventions.

Credits: 3 cr.

- ## SWK 3315 - EVOLUTION OF SOCIAL WELFARE IN AMERICA

Analyzes the history and evolution of social welfare services, the history of social work and major policies that form the foundation of social welfare. Includes the impact of social welfare on populations at risk and examines factors that contribute to and constitute being at risk. Provides knowledge of distributive justice, human and civil rights, and the global interconnections of oppression.

Credits: 3 cr.

- ## SWK 3320 - HEALTHY AGING AND PROFESSIONAL PRACTICE SKILLS

Provides students from a variety of careers (such as social work and psychology) with an introduction to gerontology. Emphasizes a person-in-environment perspective to interacting with older persons and includes a practice-based component. Provides an opportunity for students to practice interaction skills with older persons. Offers current implications of aging in our complex, and increasingly older, modern society.

Prerequisites & Notes: 15 earned credits.

Credits: 3 cr.

- ## SWK 3321 - CHILD WELFARE

Introduces students to the field of child welfare in social work. Students will explore issues affecting the lives of children in the United States and current services developed to meet children's needs. The course is taught from a systems, strengths-based perspective.

Credits: 3 cr.

- ## SWK 3322 - TRAUMA IN SOCIAL WORK

Introduces students to the issue of trauma and trauma treatment at both an individual and systems level. Emphasis is placed upon the variety of variables which both contribute to and are impacted by trauma. Analysis of key factors such as psychobiology, central nervous system involvement, impact and implication on intra psychic functioning, attachment and bonding, as well exploration and discussion around dynamics such as hyper vigilance, hyper arousal, re-enactment, repetition compulsion, flashbacks, intrusive thoughts, and disassociation will be explored at length. Students will be trained in an "iinjury" model of assessment and treatment,

with an emphasis on expanding the ability to think critically relative to these core functions, and the range of evidenced based interventions be introduced, from which students will learn to integrate the various models and apply theory to practice. The issue of ethics in treatment will be interwoven throughout, as well as the principle and practice of self-care for the worker.

Prerequisites & Notes: 15 earned credits.

Credits: 3 cr.

- ## SWK 3323 - LEADERSHIP IN SOCIAL WORK

Analyzes the variety of leadership roles available within the social work industry, with emphasis being placed upon leadership in the private, not-for-profit sector. Various models of leadership and leadership theory will be introduced, and students will examine the unique role social work leaders play in the human service field and differentiate this from leadership in other venues. Critical analysis and didactic learning around such key factors as strategic planning, supervision, human resource management, and fiscal planning will be addressed, as well as the ethical considerations and implications inherent in leadership in Social Work.

Prerequisites & Notes: SWK 1800 and 45 earned credits.

Credits: 3 cr.

- ## SWK 3324 - SOCIAL WORK AND HEALTH CARE

Focuses on the application of social work in a variety of health care settings and is designed to develop a beginning knowledge of: medical terminology, physiology, health care systems and insurance issues, community factors, the effect of illness and disease on the patient and family members, cultural and ethical issues. Critical practice issues considered will include theories of health behaviors, patient's rights, assessment and intervention, religion, sexuality and social problems that affect health care. Class activities, group exercises and case studies will encourage students to exhibit skills of problem-solving and effective communication with both clients and other members of the health care team.

Prerequisites & Notes: 15 earned credits.

Credits: 3 cr.

- ## SWK 3325 - PSYCHOPATHOLOGY AND SOCIAL WORK PRACTICE

Analyzes issues and intervention strategies of social workers in a variety of settings regarding mental illness. Understanding mental disorders from a social work perspective will organize the course. Problems frequently presented, treatment alternatives, interdisciplinary practice and ethical issues will be covered. Knowledge of psychopharmacology and roles social workers play in medication management will be examined.

Credits: 3 cr.

- ## SWK 3326 - SOCIAL WORK AND CASE MANAGEMENT

Analyzes issues and intervention strategies of social workers in a variety of settings requiring case management. Principles of case management, problems frequently encountered, interdisciplinary practice and ethical issues will be covered. Knowledge of case

management and roles social workers play in it will be examined.

Prerequisites & Notes: 15 earned credits.

Credits: 3 cr.

- ## SWK 3327 - ADDICTION: ASSESSMENT, TREATMENT, & PREVENTION

This course is designed to provide an introduction to the issues surrounding addiction as it pertains to alcohol and substance misuse. The course will explore the biological, psychological and social aspects of drug and alcohol use. Assessment, treatment and prevention are studied along with the ethnic and cultural dimensions of substance abuse. Forms of addictive behavior will be explored as well as underlying theoretical models that guide practice.

Credits: 3cr.

- ## SWK 3330 - SOCIAL POLICY

Provides knowledge and skills to understand major social policies that form the current structure of social welfare services and the role of policy in service delivery, social work practice and attainment of individual and social well-being. Analyzes and researches organizational, local, state, national, and international issues in social welfare policy and social service delivery. Prepares students to influence, formulate and advocate for policy, consistent with social work values, as a means of alleviating poverty, oppression and other forms of social and economic injustice.

Credits: 3 cr.

- ## SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with GROUPS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

Prerequisites & Notes: Social work candidacy.

Credits: 3 cr.

- ## SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with COMMUNITIES AND ORGANIZATIONS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons

from diverse backgrounds and considers technological advances.

Prerequisites & Notes: Social work candidacy.

Credits: 3 cr.

SWK 3352 - SOCIAL WORK PRACTICE WITH FAMILIES

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with FAMILIES, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

Prerequisites & Notes: Social work candidacy.

Credits: 3 cr.

SWK 3353 - SOCIAL WORK PRACTICE WITH INDIVIDUALS

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with INDIVIDUALS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

Prerequisites & Notes: Social work candidacy.

Credits: 3 cr.

SWK 3452 - CHILD WELFARE PRACTICUM

Students enrolled in the Child Welfare for Baccalaureates Program (CWEB) will complete a 475 hour practicum in a child welfare agency which meets the requirement of the state CWEB Program, reinforces students' identification with the purposes, values, and ethics of the field of social work in child welfare, fosters the integration of empirical and practice-based knowledge, and promotes the development of professional competence for child welfare social work practice.

Prerequisites & Notes: Enrollment in the CWEB Program.

Co-requisites: SWK 3321.

Credits: 1 cr.

- **SWK 4452 - FIELD EDUCATION**

Provides a 500 hour supervised field placement in an agency setting. Field education reinforces students' identification with the purposes, value, and ethics of the profession, fosters the integration of empirical and evidenced based practice knowledge, and promotes the development of professional competence for generalist social work practice. Field Education incorporates a Capstone paper and presentation, which represents the culminating assignment for the Social Work program, and is designed to focus on the integration of the curriculum with the Field Education experience.

Prerequisites & Notes: Completion of all SWK major required courses with the exception of SWK 4453, and the acceptance of the Field Education Application by the Faculty Evaluation Committee. Co-requisite: SWK 4453.

Credits: 12 cr.

- **SWK 4453 - FIELD SEMINAR**

Taken concurrently with SWK 4452, this seminar integrates the field experience with the knowledge, values, ethics, and skills of the social work profession for competent generalist practice. Prepares students for active participation in the process of supervision and addresses issues of diversity, populations at risk, and social and economic justice.

Prerequisites & Notes: Co-requisite: SWK 4452.

Credits: 3 cr.

- **SWK 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

Credits: 1 - 3 cr. Notes: May be taken for 1 through 3 credits at one time.

- **WLC 2500 - INTRODUCTION TO PARIS**

This course is an introduction to everyday life in Paris, at once a global modern city and a living museum. Paris is a vibrant culture and commercial hub and the academic place of excellence in France, a city of continuity and change, of love and conflicts - the home of expatriates, artists, romantics, and revolutionaries of every kind. We will study the history and geography of Paris and trace the city's evolution, from its Roman arena to its Eiffel Tower, from the Louvre's medieval foundations to its ultra-modern glass pyramid. We will look at architecture, painting, sculpture, music, literature, film, and popular culture and study how they express ways of life over the centuries.

Credits: 3 cr.

- **WLC 2510 - INTRODUCTION TO GERMAN FILM**

This course is taught in English and introduces students to film as a mirror of German culture, offering a cross-section of typical sociopolitical and cultural themes. Topics might include Expressionist films and their relation to art and literature, films from divided Germany with perspectives from West and East, films about coming to grips with the Nazi German past, and trends in German cinema

since the reunification in 1990. Students will become acquainted with some of the important figures in German films and will examine contemporary issues in society via the film medium. Evaluations include class discussion, reaction papers, quizzes, exams, and projects.

Credits: 3 cr.

- ## WLC 2520 - INTRODUCTION TO LATIN AMERICAN CULTURES

This course will expose students to the major cultural transformations that have shaped the development of many of the Latin American civilizations from the pre-Columbian period to the present. Course topics may include Ancient Americas, the Conquest, the Colonial World, the creation of the Nation State, Globalization, and Intervention and Diaspora.

Credits: 3 cr.

- ## WLC 3300 - PHONETICS AND LANGUAGE STRUCTURES

This course is a general introduction to phonetics and language structures, open to all students and taught in English. Students can expect to study the speech organs and how this knowledge helps to articulate and pronounce foreign language words with more precision and better sentence rhythm, and they will learn how to use the International Phonetic Alphabet. The themes of this class may also include: communication systems, common language structures, language dialects, regional pronunciation patterns, word and sentence structures, origins of puzzling phenomena in English, language acquisition, and identity.

Credits: 3 cr.

- ## WLC 3310 - LITERATURE IN TRANSLATION

In this course, students will explore the cultures of the French, German and Spanish speaking worlds by reading a representative selection of literary works in translation. Students can expect to read, study, and discuss a representative sample of translated texts in all of these languages and in all of the major literary genres. A variety of themes will be covered in this course, some of which include: gender, mythology, sports, voices of resistance, stereotyping, modernity, family, immigration, diaspora, civil rights, etc. Throughout the course, students will reflect on cultural differences in thought, aesthetic style, and thematic emphasis.

Prerequisites & Notes: ENG 1112.

Credits: 3 cr.

- ## WLC 3320 - FRANCE THROUGH FILM

This course gives students an opportunity to look at a culture other than their own through its representation in films, and helps them discover unknown aspects of their own culture through the examination of a foreign one. While watching a selection of French movies (in French with English subtitles), we will explore aspects of recent French history and their influence contemporary French culture; reflect on the interaction of various cultural (social) systems in France and other French-speaking communities; work on analytical skills; learn how to read film, literature, essays and relate them to a historical/social/cultural background. The films chosen illustrate key periods of French society from the pre-Revolutionary period to the beginning of the 21st century.

Prerequisites & Notes: Take ENG 1112

Credits: 3cr

- ## WLC 3336 - GERMANY A VIRTUAL TOUR

By means of an imaginary trip through the states of contemporary Germany, this course offers a detailed overview of the country's geography, major cities and towns, regional identities, and tourist destinations and curiosities within each region. Along the way, pertinent information about economy, customs, cultural idiosyncrasies, architecture, history, technological developments, and many other aspects is discussed. Students gain insight into their own way of life and culture through frequent comparison with German culture throughout the course "trip." Extensive use is made of Internet resources, along with other print and audiovisual materials, supported and evaluated by class discussions, brief presentations, quizzes and tests, and a final project.

Prerequisites & Notes: 30 Earned Credits

Credits: 3crs

- ## WLC 3340 - FRENCH GRAPHIC LITERATURE

This course explores major directions of French graphic literature since the early 20^{th} century. Reading French-language "bandes dessinees" (comic strips, or graphic novels) in English translations helps us discover aspects of French and French-speaking culture. Representative texts include "comic" (funny) strips playing with stereotypical representations of cultures in history or science-fiction, short stories representing current events and social situations in France, "serious" graphic literature interpreting major social or historical events, and/or literary works in the French language. Students reflect on intercultural representations in France and other French-speaking places while analyzing comics within their complex background of social, cultural, historical events.

Prerequisites & Notes: ENG 1112 or 30 earned credits

Credits: 3cr.

- ## WLC 3350 - CONTEMPORARY LATIN AMERICAN FILM

Contemporary Latin American Film is an overview of Latin America history, culture, and art through film. The general objective of the course is to foster an understanding of the key historical, social, and artistic movements represented in a selection of Latin American films. Some of the topics to be included in this course are: class struggle and conflict, the role of women in contemporary Latin American history, the Mexican revolution, the Cuban revolution, human rights, nationalism, Latin America-United States relations, bilingualism, multiculturalism, exile and diaspora, the "lettered city", and narrative transculturation.

Prerequisites & Notes: Must have 30 earned credits

Credits: 3cr

- ## WLC 4400 - GLOBAL EXPERIENCE

This is a culminating course for students completing the WLC major, designed to help them reflect upon what they learned about a second language and culture during their study at MU and abroad, and to integrate and synthesize their international intercultural experiences. To meet this course's requirements, students will have completed at least one of the WLC core courses and an approved

study-abroad program (or approved equivalent experience) in which they earned at least 9 hours of upper-division academic credit. After their return to Mansfield, students will prepare a paper based on an original research project approved prior to their departure. While they study abroad, students will collect data for the project; their report will be written, revised and presented in WLC 4400 (artifact to be added to student portfolio).

Prerequisites & Notes: 9cr of Study abroad and approval of Modern language department chair.

Credits: 3cr

- ## WLC 4497 - INDEPENDENT STUDY

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline.
The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. May be taken for one,
two or three credits at one time.

Variable Credits: 1-3cr

- ## WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

Cross-disciplinary and cross-cultural examination of the ways that language, images, and socialization have constructed women's roles. Examines contemporary women's issues (work and family, sexuality, violence against women), as well as the women's movement and the role of women artists. Emphasis is on students (both female and male) working to discover the impact of these roles and issues in their own lives as well as in the larger world.

Credits: 3 cr.

- ## WS 2909 - WOMEN OUTDOORS

This course approaches the experience and perception of women outdoors from a variety of disciplines-rhetoric, cultural geography, recreations and leisure studies, history, and literature-all from a feminist perspective. We read essays giving an analytical framework for the books and films by women who hunt, fish, rock climb, mountain bike and surf. We explore issues such as how our cultural views and metaphorical constructs of women and nature affect participation in outdoor recreation, how women involved with recreation are talked to and about as compared to men, and what all this means for women who participate in outdoor recreation and for men who work or play outdoors with women.

Prerequisites & Notes: Minimum 15 earned credits.

Credits: 3cr. Dual Listed/Cross Listed: REC 2909

- ## WS 4410 - SEMINAR IN WOMEN'S STUDIES

An in-depth examination of a topic in Women's Studies including women's contributions, knowledge, and perceptions taught from a cross-disciplinary, cross-cultural perspective in seminar style. This serves as the capstone course for the Women's Studies minor.

Prerequisites & Notes: WS 1100, two other Women's Studies courses, and junior standing or permission of instructor.

Credits: 3 cr. Notes: May be taken for a total of 9 credits.

- ## WSM 1625L - WATERSHED MANAGEMENT LAB

This is a field-based laboratory that investigates surface water in the context of watershed management. Students will collect data and solve problems related to stream discharge, water quality, and sediment dynamics. Students will produce written reports detailing field methods, analysis methods, and interpretations.

Credits: 0cr

- ## WSM 3010 - WATERSHED SYSTEMS

This watershed course focuses on system analysis of the physical, chemical and biological interactions of watersheds. It will consider procedures used to characterize the human, aquatic, riparian, and upland features. It will look at conditions, processes and interactions within a watershed, including lakes and rivers. The system analysis at the watershed level provides a systematic way to understand and organize information for the purpose of understanding the consequences of management actions prior to implementation.

Prerequisites & Notes: WSM 1625 & WSM 1625L.

Credits: 3cr.

- ## WSM 3020 - PRACTICUM

An out-of-class learning experience that allows students to observe or participate in applied work. Practicums are graded S or U - they do not affect your GPA.

Prerequisites & Notes: Permission of instructor.

Credits: 1 - 5 crs. Notes: May be repeated for a total of five credits.

- ## WSM 3300 - GLOBAL WATER ISSUES

This course introduces students to fundamentals of water issues around the world, and how they affect the development, design, evolution and sustainability of societies and economic viability. Included will be discussion of case examples where conflicts over water allocations, drought limitations, water quality problems and catastrophic floods are damaging societies and international relations. Students will be exposed to and discuss current and developing methods for reducing such problems in support of more sustainable societies.

Credits: 3cr

- ## WSM 3500 - WATERSHED RESTORATION

An advanced course in Watershed Management that covers various aspects of watershed restoration including: what it is, how its accomplished, and who carries it out. Also covers the scientific approach to watershed assessment and the role of public education in restoration activities. Field work is required.

Prerequisites & Notes: WSM 1625.

Credits: 3 cr. General Education Requirement: Professional Electives

- ## WSM 4496 - INTERNSHIP

Offers practical work experience and the opportunity to apply and to further develop appropriate skills. All internships will be grades S or U - they do not affect your QPA.

Prerequisites & Notes: Permission of Instructor.

Credits: 6 - 12 cr.

- ## XRT 1010 - X-RAY TECHNOLOGY I

Course content provides an introduction to the basic elements of radiologic technology. Students will discuss and evaluate mediolegal issues, professionalism in radiology, radiation protection practices, and radiologic terms. This course is a professional course within the Radiology Technology curriculum and radiology students are given preference. With instructor permission, course enrollment is open to any university student.

Credits: 3cr.

- ## XRT 1020 - X-RAY TECHNOLOGY II

The goal of this course is to present a basic introduction to imaging equipment operation and concepts of patient care. Students will also learn radiographic examination considerations for the extremities, spine, shoulder girdle, pelvic girdle and bony thorax.

Prerequisites & Notes: Take XRT 1010, BSC 1121, and MA 1128.

Credits: 5cr.

- ## XRT 1030 - X-RAY TECHNOLOGY III

Course content acquaints the student with principles of radiation exposure and concepts of radiation biology. Emphasis will be placed on radiographic examinations of the biliary, urinary, and digestive systems. Basic contrast studies and pediatric radiography is also presented. Drug pharmacology and radiographic contrast media will be discussed.

Prerequisites & Notes: Take XRT-1020 and BSC-1122.

Credits: 3cr.

- ## XRT 1040 - X-RAY TECHNOLOGY IV

Course content is designed to impart an understanding of the components, principles and operation of digital imaging systems found in diagnostic radiology. Factors that impact exposure factors, image acquisition, display, archiving/retrieval, and image quality are included. This course also includes radiographic examinations of the cranium, mobile, and trauma radiography and a review of

previously learned concepts from other professional courses.

Prerequisites & Notes: Take XRT 1030.

Credits: 3cr.

- ## XRT 1104 - X-RAY TECHNOLOGY IV

Course content acquaints students with the principles of radiographic film processing. Emphasis will be placed on radiographic examinations of the cranium, mobile radiography, and trauma radiography. Students will learn concepts related to image analysis and review introductory radiographic concepts presented in previous professional courses.

Prerequisites & Notes: XRT 1103.

Credits: 3 cr.

- ## XRT 1105 - X-RAY TECHNOLOGY V

This course includes the study of pathology and disease, computed tomography (CT), and quality assurance.

Prerequisites & Notes: XRT 1040.

Credits: 3 cr.

- ## XRT 1106 - X-RAY TECHNOLOGY VI

The purpose of this course is to review the knowledge and skills underlying the performance of the major tasks typically required of an entry-level diagnostic radiographer. Students will also become familiar with the basic concept of technical reporting and evaluation. (Pre-requisite: XRT 1105).

Prerequisites & Notes: XRT 1105.

Credits: 4 cr.

- ## XRT 1107 - FUNDAMENTALS OF RADIOLOGIC SCIENCE AND HEALTH CARE

Content is designed to provide an overview of the foundations in radiography and the practitioner's role in the health care delivery system. Principles, practices and policies of the health care organization(s) will be examined and discussed in addition to professional responsibilities of the radiographer.

Prerequisites & Notes: XTR 1010, BSC 1121 and MA 1128.

Credits: 1 cr.

- ## XRT 1108 - MEDICAL TERMINOLOGY FOR THE RADIOGRAPHER

Students will be introduced to the origins of medical terminology and the word-building system used in the medical field. The words, abbreviations, and symbols used in the medical environment will be discussed. An orientation to the understanding of radiographic orders and interpretation of diagnostic reports will be addressed through the related terminology.

Prerequisites & Notes: XRT 1010, BSC 1121, and MA 1128.

Credits: 2 cr.

- ## XRT 2203 - X-RAY PHYSICS

This course will provide the student will knowledge of basic radiologic physics. Atomic theory, nature and characteristics of radiation, x-ray production, and fundamentals of photon interactions with matter are discussed.

Prerequisites & Notes: XRT 1030.

Credits: 3 cr.

- ## XRT 2221 - CLINICAL COURSE I

The main purpose of this course is to familiarize students with the proper operation and utilization of modern diagnostic radiologic equipment. Initially, students will receive a general orientation regarding the clinical facilities and policies. While under the direct supervision of clinical faculty and registered radiographers, students will perform the radiographic examinations presented in course XRT 1020. Students are required to demonstrate and practice the competencies, which are included in the course goals and objectives.

Prerequisites & Notes: XRT 1010, BSC 1121, and MA 1128.

Credits: 3 cr.

- ## XRT 2222 - CLINICAL COURSE II

Students will practice the competencies acquired in the previous clinical course and begin working towards achieving competency for radiographic examinations presented in course XRT 1030. Clinical rotations will begin in the specialty areas. Students are required to demonstrate and practice the competencies which are included in the course goals and objectives.

Prerequisites & Notes: XRT 1020 and XRT 2221.

Credits: 3 cr.

- ## XRT 2223 - CLINICAL COURSE III

Students will continue to practice the competencies acquired in the previous clinical courses while working towards achieving competency for examinations of the skull. Emphasis will be placed on radiographic examinations from courses XRT 1020, XRT 1030, and XRT 1040. Clinical rotations will continue in the specialty areas. Students will also begin an evening clinical rotation which emphasizes trauma radiography. Students are required to demonstrate and practice competencies which are included in the course

goals and objectives.

Prerequisites & Notes: XRT 1030, and XRT 2222.

Credits: 3 cr.

- ## XRT 2224 - CLINICAL COURSE IV

Students will have the opportunity to demonstrate competency for general diagnostic examinations of most systems of the body, while continuing to practice the competencies acquired in previous clinical course. Training will begin in the areas of nuclear medicine and vascular imaging and will continue to magnetic resonance imaging and computed tomography. Students are required to demonstrate and practice the competencies, which are included in the course goals and objectives.

Prerequisites & Notes: XRT 1040, and XRT 2223.

Credits: 3 cr.

- ## XRT 2225 - CLINICAL COURSE V

During this final clinical practicum, students will complete clinical assignments that require the demonstration of competencies in a wide variety of general diagnostic entry-level radiologic examinations. Students will have a final opportunity to practice competencies achieved in previous clinical practice. Clinical rotations through the specialty areas will be completed. Students are required to demonstrate and practice the competencies which are included in the course goals and objectives.

(Pre-requisites: XRT 1105 and XRT 2224.)

Prerequisites & Notes: XRT 1105 and XRT 2224.

Corequisite: XRT 1106.

Credits: 3 cr.

[Archived Catalog]

Expenses

This information is subject to change without notice.

For specific Fee Definitions please refer to https://esd.mansfield.edu/billing-and-payments/fee-definitions.cfm

Delinquent Accounts

Students are not permitted to register for course work, receive a diploma, or obtain official transcripts until all overdue accounts have been paid. Students requesting transcripts are encouraged to pay any outstanding balance by money order or cashiers check to avoid a 10 business day clearing period on personal checks.

Financial Obligation

Failure to meet your financial obligations by the due dates may result in classes being dropped, future registrations being blocked, and transcripts being withheld. The minimum amount required to confirm a student's registration is the total charge, LESS financial aid, DIVIDED by two, PLUS any beginning balance. Payment of the minimum amount due will allow a student to defer the remaining balance due for six (6) weeks. Failure to make payment in full by the payment due date will automatically result in the student account incurring a deferred payment fee of $50.

Student Living

Students should familiarize themselves with the comprehensive terms and conditions for housing and dining by reviewing the Housing & Dining Agreement, as well as the Resident Hall Handbooks located at http://www.mansfield.edu/housing/

Housing/Residence Hall Student Fees (per semester)

Please refer to the following link for current Housing/Dining Rates : https://esd.mansfield.edu/tuition-and-fees/index.cfm?cssearch=31261_1

Suite-Style (Oak, Hickory, Sycamore & Spruce)

Requests for certain suit types are processed by Student Living, 319-321 Alumni, and are granted on a space available basis. Payment does not guarantee a private room if there are no vacancies.

Meal Plans: (Per Semester)

Please refer to the Housing and Dining Rates page for current Meal Plan rates: https://esd.mansfield.edu/tuition-and-fees/index.cfm?cssearch=31261_1

Flex dollars are built into each meal plan and may be used as cash at any campus dining location. You may buy additional flex dollars in increments of $25. Unused flex dollars are carried over from fall to spring semester. Unused flex dollars at the close of the spring semester are forfeited.

All residence hall students purchase and participate in the on-campus dining program. Dining fees are assessed regardless of whether or not

dining services are actually used if an approved exemption form is not on file.

Requests to change a meal plan must be made prior to the start of the semester. Decreases to dining plans are not permitted after the semester begins.

All commuter students are automatic participants in the $100 flex per semester program. Unused flex dollars are carried over from fall to spring semester. Unused flex dollars at the close of the spring semester are forfeited.

Senior Citizen Tuition Waiver:

PA residents aged 62 or over and receiving Social Security benefits may enroll in university undergraduate on-campus courses if space is available with no tuition charge during the fall, spring, and summer semesters. The Senior Citizens Tuition Waiver is only for those taking undergraduate courses as non-degree seeking students. Graduate courses are not included.

Student Domicile Guidelines

Domicile is the place where the student intends to and does permanently reside. Because determining whether or not a student intends to reside indefinitely in Pennsylvania is subjective, documentary evidence, statements from disinterested persons, and the presumptions set forth below are considered:

a. *Continuous residence in Pennsylvania for a period of 12 months prior to registration as a student at an institution of higher education in Pennsylvania creates a presumption of domicile. A student is presumed not to be a domiciliary if he or she has resided for a shorter period before attending an institution of higher education, but the student may rebut this presumption by clear and convincing evidence.*
b. *Students who are not United States citizens and have nonimmigrant visas or lack a visa are presumed not to be domiciled in Pennsylvania, but they may rebut this presumption by clear and convincing evidence.*
c. *A minor is presumed to have the domicile of his or her parents or guardian. The age of majority for establishing a domicile for tuition purposes is 22. However, a minor may prove financial emancipation and thereby prove Pennsylvania domicile through clear and convincing evidence.*
d. *A United States government employee or a member of the armed forces who was domiciled in Pennsylvania immediately preceding entry into government service and who has continuously maintained Pennsylvania as his or her declared legal residence shall be presumed to have a Pennsylvania domicile. Nonresidents stationed in Pennsylvania for military service shall be deemed a Pennsylvania domiciliary.*
e. *A student receiving a scholarship, loan, or grant, dependent upon maintaining domicile in a state other than Pennsylvania is presumed to be domiciled in the state from which he or she is receiving financial aid.*

A student may challenge his or her residence classification by submitting a written appeal to the Registrar's Office. If the student is not satisfied, the decision may be appealed in writing to the Office of the Chancellor, State System of Higher Education, within 30 days. The decision of the chancellor is considered final. The effective date of any reclassification resulting from the student's challenge is determined by the Residency Committee based on when the petition was filed. A student who changes domicile from Pennsylvania to another state must promptly give written notice to the University.

Please reference the following link for more information and the official student domicile regulations: https://esd.mansfield.edu/upload/Residency-Data-Collection-Form_20141111-2.pdf

Tuition (Per Semester)

Please refer to Enrollment Services/Student Accounts for Current rates: https://esd.mansfield.edu/tuition-and-fees/index.cfm

Note 1: Students taking a combination of undergraduate and graduate credits are charged based upon the student's academic program level (undergraduate or graduate), not the course level.

Note 2: The final tuition rate is set by the Board of Governors in July.

Refunds & Adjustments of Charges

The following information is subject to change without notice.

Withdrawal From The University (from all coursework):

Tuition, housing, community building fee, health fee, activity fee, and fitness center fee are adjusted for all students according to the refund schedule. **The technology fee is non-refundable.**

Dining adjustments are pro-rated on a weekly basis.

First day through drop period	100%
Through second week	80%
Through third week	60%
Through fourth week	50%
Through fifth week	40%
Sixth week	No Refund

Tuition and miscellaneous fees (community building fee, health fee, activity fee, and fitness center fee) will be adjusted at 100% through the drop period. The technology fee is non-refundable. There is no fee adjustment for course withdrawals; therefore, all tuition and fees are due to the University. All requests for refunds should be in writing to the Student Accounts Office in 224 South Hall.

Nelnet Campus Commerce Payment Plans(Formerly Tuition Management Services)

Nelnet Campus Commerce partners with Mansfield University to offer a monthly payment plan for your tuition balance. The payment option is available for a small enrollment fee and includes personal account service and counseling, automated account information 24 hours a day and access to your account through their web page mansfield.afford.com

***Note - Nelnet payment plans are not available for the summer sessions.**

FEES

Admission Fees

- **Application fee**: Students applying for admission or readmission pay this $25.00 fee when submitting their application.
- **Advance Deposit:** An advance deposit of $125.00 is required upon acceptance of the offer of admission. Upon request, this deposit is transferrable to a revised admission date within one year upon the approval of the Director of Admissions.

Audit fee

Part-time, non-degree seeking students and residents of the region may audit a course for $50 with the permission of the course instructor if space is available.

Building Fee

$264.00.This fee is paid by all students to support the operating costs and debt service for the Alumni Hall Student Center.

Credit by Examination Fee

One-third of the undergraduate fee per credit must be paid and approval received from the Registrar before taking each examination.

Deferred Payment Fee

Students may defer payment for up to one-half of the balance due for six weeks after the first day of the semester. The balance due is defined

as the total fees for the current semester, less approved financial aid. Nonpayment of the full balance due incurs a $50 fee.

Education Fee

$826.00. This fee is paid by all students to support high-cost programs, labs, and academic equipment.

Fitness Center Fee

$340.00. All undergraduate, degree-seeking students are assessed this fee to support the debt service and operating costs of the fitness center.

Health Fee

$122.00. Primary medical care is provided to registered full-time and part-time students while the university is in session.

Housing Application Fee

All students requesting on-campus housing complete an agreement that includes the payment of a $100 housing application fee. The application fee allows students to participate in housing selection/reservations each year. The application fee is non-refundable.

Mandatory Miscellaneous Fees

Note: Internships, Independent studies, Individualized Instruction, and student teaching assignments are billed as on-campus courses and all mandatory miscellaneous fees apply.

Music Lesson Fee

Undergraduate Students:
The music lesson fee will be assessed at $200.00 per credit for music courses MAP-2000 and above.

Graduate Students:
The music lesson fee will be assessed at $200.00 per credit for music courses MAP-5000 and above.

Orientation Fee

This fee is non-refundable:

New Student Orientation Fee = $90.00
Transfer Student Orientation Fee = $50.00

Parking Decal Fee

This fee is for a permit valid from September through August.

Returned Check Fee

A $25.00 fee is charged for each check or e-check returned by the bank for non-sufficient funds (NSF). A $5.00 fee is charged for each e-check (electronic check) returned by the bank for invalid account information.

Student Activity Fee

$936.00. This fee is established by the Student Government Association to support student activities.

Technology Fee

This fee is paid by all students specifically to increase the investment in instructional technology.

Technology Fee	`PA Residents $478	NY, NJ and Out-of-State International $728

Transcript Fee

There is an $8.41 per copy fee for official or unofficial transcripts. This fee is due in advance of the processing of the transcript. The fee includes the cost of postage for first class mail. Priority mailing is at the expense of the requestor. All delinquent obligations must be cleared prior to the release of an official transcript.

[Archived Catalog]

Financial Services

Financial Aid, Student Accounts, and the Registrar's Office provide information and assist students and their families in meeting college expenses. The offices inform students of application procedures and deadlines, types of aid available, eligibility requirements, and other important information.

As a state university, our tuition is substantially lower than many other colleges and universities. However, the combination of college expenses still requires financial aid for many students. While we help in any way we can, the basic financial responsibility for a college education continues to rest with each student and the student's family.

Matriculation at Mansfield University is by semester. Students are expected to meet the expenses of the upcoming term without assistance unless such aid has been previously arranged and confirmed. Mansfield University participates in federal and state financial aid programs. There are three forms of aid: grants, loans, and college work-study (part-time campus employment). Grants include the Federal Pell grant, the Pennsylvania State grant (PHEAA), the Federal Supplemental Educational Opportunity Grant, and the TEACH Grant, as well as institutional and private grants. Loans include the Federal Direct Loan and the Federal PLUS loan for parents of undergraduate students. In addition, students may borrow additional funds through the alternative loan program. Federal work-study (part-time campus employment) is awarded to students with demonstrated financial need. If a student has no financial need, he or she may be awarded institutional work-study.

We emphasize the following points:

1. Plan to file your financial aid application after October 1 of the year prior to the year you will be entering the University.
2. To apply for aid, complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.ed.gov.
3. Identify Mansfield University (003324) as an institution of choice on the FAFSA application.
4. The important deadlines for financial aid are February 15 for new students and April 15 for currently enrolled students. The Pennsylvania Higher Education Assistance Agency (PHEAA) has a deadline date of May 1 for the PA state grant program.
5. Students are considered sophomores with 30-59 credits, juniors with 60-89 credits, and seniors with 90 or more credits. Your completed credits will be used to determine your loan amounts.

Students and parents may call the Office of Financial Aid at (570) 662-4129 with questions at any time.

Satisfactory Academic Progress Policy for Federal Financial Aid Recipients

The Higher Education Act of 1965, as amended by Congress, mandates that institutions of higher education establish minimum standards of "satisfactory academic progress" (SAP) for students receiving federal financial aid. These standards apply to all Federal Title IV aid programs including:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (SEOG)
- TEACH Grant
- Federal Direct Subsidized and Unsubsidized Loans
- Federal Direct PLUS Loans
- Federal WorkStudy

The Satisfactory Academic Progress (SAP) standards apply to all students seeking federal Title IV financial aid, regardless of whether a student has received Title IV financial aid in the past.

Process of Determining Satisfactory Academic Progress (SAP):
Each student will be measured for satisfactory academic progress at the end of every semester. This evaluation will determine if the student has sufficient progress to be eligible for future Title IV funding. Students who have not met the minimum SAP requirements will be notified that they are not eligible for financial aid.

Satisfactory Academic Progress Measurement

● Qualitative Measure (cumulative Mansfield University GPA):

  ○ Undergraduate students must achieve a minimum 2.0 cumulative GPA.

● Quantitative Measure

1. Completion Rate/Pace: Pace is calculated by dividing the cumulative hours the student successfully completed by the cumulative hours the student has scheduled. This calculation includes all attempted credits, both at Mansfield University and those accepted in transfer; courses for which a student receives academic credit, withdraws, receives incomplete or repeat grades and/or fails are counted in the calculation of the completion rate/pace.

a. Undergraduate students must successfully complete 67% of the total cumulative scheduled credits.

2. Maximum Timeframe (completing program of study within 150% of program length)

a. Undergraduate students may receive aid for up to 180 cumulative credits attempted (includes both Mansfield University credits scheduled and those accepted in transfer).

Students who change majors are responsible for completing the degree requirements within the timeframe specified above.

Readmitted Students
If a student is readmitted to the University, satisfactory academic progress will be based on the student's previous attendance at Mansfield University and credits accepted in transfer. All readmits will be reviewed as they are readmitted.

Special Grades and Their Use in Satisfactory Academic Progress Determination:

- I - Incomplete: Students will receive no credit for an "I" grade, although the "I" is counted as attempted credit(s). If, however, the incomplete grade is resolved and a passing grade is received, the credits will be counted.
- W - Withdrawal: No credit received; however, counted as attempted credit.
- AU - Audit: No credits received.
- P/F: This refers to the pass/fail option. P means the student receives credit(s) but GPA is not affected. A grade of "F" will impact the GPA.

Repeat of Course
The most recent grade earned is used in calculating the GPA. If the student failed the course the first time but passes it the second time, the appropriate number of credits will be earned after the second attempt. If, however, the student passed the course the first time, repeats it in an attempt to improve the grade but receives a failing grade, the appropriate number of credits will be deducted from the cumulative credits earned total. Maximum hours earned for any course cannot exceed the number of credits listed for that course in the catalog.

Regaining Eligibility
If a student fails to meet the satisfactory academic progress (SAP) standards, but meets the standards at a later term, the student may once again be eligible to receive federal Title IV aid. In such cases, financial aid eligibility will begin with the academic semester after which the student reestablishes progress.

Progress will be calculated each semester on all registered students.

If a student is taking coursework at another institution to regain SAP eligibility, students should be aware that:

1. A *Request to Transfer Credits form* must be completed prior to taking any courses elsewhere if the credits are to be transferred back to Mansfield University. The credits must be accepted by Mansfield University to be used towards meeting SAP.
○ Undergraduate Form https://esd.mansfield.edu/forms-and-policies/upload/REQUEST-TRANSFER-UG-CR-FORM-A2342216.pdf

2. Except in the case of visiting student status, only "credits" transfer to Mansfield University, actual "grades" do not. If the student's deficiency is the cumulative GPA, taking new courses at another institution will not resolve that deficiency. However, successfully repeating coursework that had poor grades may increase your overall GPA.

Appeal Process

Students whose financial aid eligibility has been terminated may "appeal" that status if they have experienced extenuating circumstances that affected their ability to meet the academic progress standards. In general, extenuating circumstances can include, but are not limited to, illness, injury, death of relative or friend, difficulties with accommodations for students with disabilities, and adversity due to unforeseen events. Students interested in appealing their termination of financial aid eligibility may access the Academic Progress Appeal Form online at https://esd.mansfield.edu/forms-and-policies/forms-publications.cfm. The completed form and supporting documentation should be submitted to the Director of Financial Aid. Students must also address in the appeal why they failed to meet SAP, what has changed that will allow them to meet SAP in the next evaluation, and an academic plan for success. Students should submit the appeal prior to August 1 for fall semester consideration or prior to January 2 for spring semester consideration. Students will be notified of the decision via email. All appeal decisions are **final**.

Financial Aid Warning: Mansfield University evaluates academic progress at the end of each payment period (semester). Students on a "Financial Aid Warning" status may continue to receive Title IV aid for **one** payment period despite a determination that the student was not meeting SAP. A warning status is granted automatically and may be assigned without an appeal or other action by the student. Students are notified via their Mansfield University email account.

Financial Aid Probation: This status can be granted only after the student has appealed and has had eligibility reinstated based upon the appeal. A student on "financial aid probation" may receive Title IV funds for **one** payment period only. After the completion of the payment period, the student must meet SAP.

ALL NOTIFICATIONS, WARNINGS, AND APPEAL DECISIONS WILL BE PROVIDED TO STUDENTS IN WRITING VIA THEIR MANSFIELD UNIVERSITY EMAIL ACCOUNT.

State Grant Programs

The Pennsylvania Higher Education Assistance Agency (PHEAA) provides state grants to help Pennsylvania residents with financial need attend approved institutions of higher education. PA State Grants are available to both full and part-time students. Grant recipients are expected to work during the summer to assist in meeting expenses, and parents are expected to contribute according to their abilities. Grant size depends upon educational expenses, family size, and family resources.

PHEAA Grants are subject to annual review and may change from year-to-year. Renewal depends upon satisfactory academic progress, continued financial need, and the availability of funds. The Free Application for Federal Student Aid serves as the application and is available online at www.fafsa.ed.gov. For purposes of the PHEAA Grant program, the application deadline is May 1.

State Grant Academic Progress

Students are required to make satisfactory academic progress for receipt of State Grant aid. For each academic year (summer, fall, and/or spring term) during which State Grant aid is received, a student must successfully complete the minimum number of credits appropriate to the student's enrollment status during the terms for which State Grant aid was received. Full-time students must complete 12 new credits per term and part-time students must complete a minimum of 6 new credits per term.

Examples

1. A student enrolled full-time for fall and spring semesters who received a PA State Grant for both terms would be required to complete 24 new credits during that time.

2. A student enrolled full-time fall and full-time spring received a PA State Grant for the spring only term. This student would be

required to complete 12 credits during the spring term. Credits completed in the fall semester will not count towards academic progress.

3. A student enrolled full-time fall and half-time spring who received a PA State Grant for both terms would be required to complete 18 new credits during that time.

4. A student enrolled full-time summer and full-time academic year who received a PA State Grant for all three terms would be required to complete 36 new credits during that time.

Remedial Credits: The successful completion of a remedial class may not always count towards the PA State Grant academic progress requirement. Students receiving a PA State Grant who are taking remedial courses should consult with Enrollment Services.

ALL NOTIFICATIONS, WARNINGS, AND APPEAL DECISIONS WILL BE PROVIDED TO THE STUDENT IN WRITING VIA THE STUDENT'S MANSFIELD UNIVERSITY EMAIL ACCOUNT.

MILITARY AND VETERAN EDUCATIONAL BENEFITS

Veterans and/or eligible dependents may be able to receive entitlement funding based upon a service obligation. The Mansfield University School Certifying Official acts as the liaison between the student and the Department of Veterans Affairs and will submit all necessary forms for benefits to which the student may be entitled. Our VA School Certifying Officials are Ms. Denise Davey, 231 South Hall, and Ms. Stacie Rosewood-Boyskey, 230 South Hall. They may also be contacted via email at veterans@mansfield.edu or by phone at 570-662-4418 or 570-662-4134. To receive Veterans Education Benefits while attending Mansfield University, eligibility must be established under one of the following programs:

- Chapter 30 - Montgomery GI Bill - Active Duty (MGIB-AD)
- Chapter 31 - Vocational Rehabilitation & Employment Service
- Chapter 33 - Post-9/11 GI Bill
- Chapter 35 - Survivors' and Dependents' Educational Assistance Program (DEA)
- Chapter 1606 - Montgomery GI Bill - Selected Reserve

In addition, Pennsylvania Veterans who are honorably discharged may be eligible for a PA State Grant for up to 80% of their annual tuition provided they apply by May 1 of each year.

Note: In compliance with the Veterans Benefits and Transition Act of 2018, section 3679 of Title 38, covered individuals who are entitled to educational assistance under Chapter 31, Vocational Rehabilitation and Employment Service, or Chapter 33, Post 9/11 GI Bill benefits, are permitted to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under Chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs website e-Benefits or a VAF 28-1905 form for Chapter 31 authorization purposes) and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.
2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

In addition, the educational institution will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet their financial obligations to the institution due to the delayed disbursement funding from VA under Chapter 31 or 33.

Federal Grant Programs

Federal Pell Grants

The Federal Pell Grant is for students pursuing their first undergraduate degree. The award amounts can vary depending on eligibility and are

subject to change annually. Students wishing to apply must complete a Free Application for Federal Student Aid (FAFSA) online at www.fafsa.ed.gov each academic year.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant (FSEOG) is for undergraduate students with exceptional financial need. Students must qualify for a Federal Pell Grant. Funding is very limited in this program; therefore, March 15th is the suggested filing date for the Free Application for Federal Student Aid (FAFSA).

TEACH Grant

Eligible students must be accepted into the Undergraduate Teacher Education, Graduate Teacher Education, or Teacher Certification programs at Mansfield University and agree to teach full-time in a high-need subject area for at least four years at a school that serves students from low-income families. Eligible students must sign an Agreement to Serve for each year of receiving a TEACH Grant.

Student Employment Programs

Federal College Work-Study is a federally funded program awarded to students who demonstrate a financial need. It pays minimum wage, and a student cannot work more than 20 hours per week. In fact, most students work an average of 6 hours per week. The employment opportunities on campus include administrative areas, student center, athletics, the library, academic areas, security, laboratory assistant, etc. Applicants must complete a FAFSA.

Institutional Work-Study is a Mansfield University-funded program. It differs from the Federal College Work-Study Program in that a student does not have to show a demonstrated financial need in order to work. The pay rate, once again, is minimum wage and students cannot exceed 20 hours of work a week. Applicants must complete a FAFSA.

Loan Programs

Federal Subsidized Direct Loan. These funds are made available to students who demonstrate financial need. The loan is interest free while the student attends school on at least a half-time basis. Mansfield University determines student eligibility after review of the Free Application for Federal Student Aid (FAFSA).

Loans will be certified electronically, and students will need to complete and sign their Master Promissory Notes if they are first time borrowers. The Master Promissory Note is intended to be valid for 10 years; a student should be required to only sign one MPN.

Each eligible applicant must be enrolled at least half-time (six credits) and meet financial need requirements. The maximum loan for an undergraduate ranges from $3,500 to $5,500 a year. The aggregate loan amount borrowed over a student's entire undergraduate education may not exceed $23,000. The interest rate for 2019-2020 is is 4.53%.

Repayment normally begins six months after leaving school with up to 10 years to repay. The monthly repayment amount depends upon the size of the debt and ability to pay. In most cases repayment must be at least $50 per month unless circumstances agreed upon by the lending institution warrant a lesser amount.

Federal Unsubsidized Direct Loan. This loan is similar to the Federal Subsidized Direct Loan program; however, students do not need to have demonstrated financial need. Interest does accrue on the loan while the student is in school. Students may pay the interest quarterly or capitalize the interest upon repayment. The total aggregate limit for dependent undergraduate students is $31,000, of which $23,000 may be subsidized. The total aggregate limit for independent students or dependent students whose parents cannot borrow a PLUS loan is $57,500, of which $23,000 may be subsidized. The interest rate is 4.53%.

Federal Direct Parent Loan for Undergraduate Students (PLUS). This program allows parents to borrow for their undergraduate students. A parent can borrow the difference between the cost of attendance minus any other financial aid received. The interest rate is 7.60%.

Parents have the option of the PLUS Master Promissory Note. Like the Direct Loan MPN, the note is good for 10 years; however, parents are required to sign a new note for each dependent student.

The parent usually begins repayment of interest and principal within 60 days of loan disbursement although various forbearance options are

available.

All Federal Direct Loans are charged a loan fee at the time of disbursement. The fee for a Direct Subsidized or Unsubsidized loan is 1.059% and the fee for a Parent Plus Loan is 4.236%.

Additional loan options. Credit-based alternative loans for educational expenses are also available. Various programs offer competitive interest rates, flexible repayment schedules and different co-signer requirements. Students interested in an alternative loan can contact the lender directly or the Office of Financial Aid.

Financial Aid Awards Grants

Approved Title IV aid is paid on a student's account within the first four weeks of the semester. Aid will be paid bi-weekly thereafter. Loan checks are credited upon endorsement or when funds are electronically received.

Academic Year Definition

Mansfield University's academic year is a period that contains 30 weeks of instructional time during which a full-time student is expected to complete at least 15 credit hours. The academic year is further described as a Scheduled Academic Year (SAY) that starts at the beginning of fall semester and ends on the last day of the spring semester. The summer sessions are designated as "trailer" terms which follow the SAY.

Return Title IV Federal Student Aid Policy

Mansfield University is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or who take leaves prior to completing 60% of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations.

If a student leaves the institution prior to completing 60% of a payment period or term (Fall term date October 28, 2019; Spring term date March 21, 2020), the financial aid office recalculates eligibility for Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

Percentage of payment period or term completed = the number of days completed up to the withdrawal date divided by the total days in the payment period or term. (Any break of five days or more is not counted as part of the days in the term.) This percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula:

Aid to be returned = (100% of the aid that could be disbursed minus the percentage of earned aid) multiplied by the total amount of aid that could have been disbursed during the payment period or term.

If a student has earned less aid than was disbursed, the institution will be required to return a portion of the funds, and the student will be required to return a portion of the funds. The aid recipients must keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution.

If a student has earned more aid than was disbursed to him or her, the institution will owe the student a post-withdrawal disbursement which must be paid within 120 days of the student's withdrawal.

The institution must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of determining when the student withdrew.

Refunds are allocated in the following order:

- Unsubsidized Direct Stafford Loans (other than PLUS loans)
- Subsidized Direct Stafford Loans
- Direct PLUS Loans
- Federal Pell Grants
- Federal Supplemental Educational Opportunity Grants (FSEOG)

- TEACH
- Other assistance for which a return of funds is required (e.g. LEAP)

Refund Allocation Policy

Refunds allocated to a particular program will not exceed the aid originally awarded to a student in that particular program.

A release form must be signed to authorize the University to apply Title IV funds to charges beyond tuition and fees. The release may be rescinded at any time by submitting a written request to the Student Accounts Office. Rescinded authorizations are not retroactive.

[Archived Catalog]

Governing Board and Faculty

Click on a link to be taken to the entry below.

- Governing Board
- Faculty
- Emeriti

---

^ TOP

Governing Board

Commonwealth of Pennsylvania

Tom Wolf
Governor

State System of Higher Education
Dr. Daniel Greenstein
Chancellor

Board of Governors

Sen. Ryan P. Aument	Noe Ortega, Secretary of Education
Audrey F. Bronson	Cynthia D. Shapira, Chair
Joan Dahn	Sen. Judith L. Schwank
Sarah Galbally (designee for Governor Wolf)	Harold C. Shields, Vice Chair
Rep. Michael K. Hanna	Samuel H. Smith
Donald E. Houser, Jr.	Brian Swatt
Rodney Kaplan, Jr.	Rep. Mike Turzai
David M. Maser, Vice Chair	Neal R. Weaver
Barbara McIlvaine-Smith	Gov Tom Wolf
Marian D. Moskowitz	Janet L. Yeomans
Thomas S. Muller	

Mansfield University

Council of Trustees

Mr. Steven M. Crawford, Vice Chair	Camp Hill, PA

Mr. Max P. Gannon, Jr.		Towanda, PA	
Mr. Patrick D. Henderson, Secretary	Ms. Susan Kefover	Harrisburg, PA	Galeton,
Ms. Bobbi J. Kilmer, Chair		PA	
Mr. Ralph H. Meyer		Towanda, PA	
Ms. Karen J. Russell		South Waverly, PA	
Mr. Aaron Singer		Mansfield, PA	
Dr. Robert D. Strohecker		Wellsboro, PA	
Mr. Bruce L. Vickery		Mansfield, PA	
		Wellsboro, PA	

^ TOP

Faculty

Alexander, Conrad (2003) Instructor of Percussion. Department of Music.

Arango-Keeth, Fanny (2002) B.A., Universidad Ricardo Palma; Ph.D., Arizona State University. 1996, Associate Professor, Deparment of Art, Communication, English and World Languages.

Battin, Joshua (2011) B.A., Edinboro University, 2006; M.A., Indiana University of Pennsylvania, 2007; Associate Professor, Department of Behavioral and Social Sciences.

Benaddi, Atika (2019) B.BA., Baruch College, 2011; M.S., Brooklyn College, 2013; Ph.D., Kansas State University, 2019; Assistant Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

Bernum, Belinda A. (2002). B.AA., Central Michigan University, 1986; M.A., Pennsylvania State University, 1991. Assistant Professor, Deparment of Art, Communication, English and World Languages.

Borzok, Meagen A. (2019) B.S., Elizabethtown College, 2002; PhD., University of Maryland, 2007. Assistant Professor, Department of Natural Sciences.

Bosworth, Jeffrey A. (2003). B.A., St. Andrew's Presbyterian College, 1990; A.M. 1993, Ph.D. 2000, University of Illinois-Urbana. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Brennan, Adam F. (1995). B.M.E., Western Illinois University, 1986; M.A.Composition, Western Illinois University, 1989; D.M.A., University of Oklahoma, 2000. Professor, Department of Music.

Campbell, Martha (2013). A.A., Empire State College, 2000; B.A., Empire State College, 2000; M.A., Goddard College, 2008. Associate Professor, Deparment of Art, Communication, English and World Languages.

Carapella, Jennifer. (2013). B.S., Daemen College, 2005; M.S.N., Mansfield University, 2011. Instructor, Department of Nursing and Allied Health Services.

Carl, Peggy L. (2019). B.A., Whittier College, 1980; M.A., University of Minnesota, 1993. Athletic Director, Department of Nursing and Allied Health Services.

Carson, Gregory (2002). B.A., LaSalle University, 1992; Ph.D., University of Nebraska-Lincoln, 1997. Associate Professor, Department of Natural Sciences.

Chester, Michael J. (1993). B.S., University of Delaware, 1985; Ph.D., University of Pennsylvania, 1991. Associate Professor, Department of Natural Sciences.

Chua, Frank M. (1999). B.A., Slippery Rock University, 1991; M.A., Southern Illinois University, 1993; Ph.D., Penn State University, 1999. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Clifford, Leslie D. (2002). B.S. 1993, M.S. 1995, Brigham Young University; Ph.D., Wake Forest University, 2001. Associate Professor,

Department of Natural Sciences.

Cobb, Kenneth P. (2019). BFA, Bowling Green State University, 1999; MFA, Southern Illinois University at Carbondale, 2004. Assistant Professor, Deparment of Art, Communication, English and World Languages.

Craig, Francis (1998). B.A., University of Richmond, 1989; M.A., Loyola-Maryland, 1994; Ph.D., University of Tennessee, 1998. Professor, Department of Behavioral and Social Sciences.

Crowl, Justin (2013). B.A., Walsh University, 2005; M.S., Youngstown State University, 2009; Ph.D., Indiana University of Pennsylvania, 2013. Assistant Professor, Department of Behavioral and Social Sciences.

Cummings, Christopher (2012) B.S., Mansfield University, 2007; M.Ed., Mansfield University, 2009, PH.D., Indiana University of PA, 2011. Instructor, Department of Student Support Services.

D'Ortona, Catherine M. (1994). B.S., Loyola College, 1989; M.A. 1992, Ph.D. 1994, University of Virginia. Associate Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

Daly, Mary (2010). B.S., Columbia University, 1981; M.S.W,. Marywood University, 1996; Ph.D., Binghamton University, 2005. Associate Professor, Department of Behavioral and Social Sciences.

Davis, Scott A. (1988). B.S., Eastern College, 1977; Ph.D., University of Virginia, 1982. Professor, Department of Natural Sciences.

Decker, Kristen (2000). B.S., University of Wisconsin-Superior; 1995; M.S., University of Wisconsin-Superior, 1998. Assistant Professor, Department of Student Support Services.

Demchak, Jennifer (2007). B.S., University of Pittsburgh at Johnstown, 1996; M.S., Clarion University, 1998; Ph.D., West Virginia University, 2005. Associate Professor, Department of Natural Sciences.

Dettwiler, Peggy D. (1990). B.S., University of Wisconsin-Platteville, 1970; B.M. 1982, M.M. 1980, University of Wisconsin-Madison; M.M., University of Texas-San Antonio, 1985; D.M.A., Eastman School of Music, 1991. Professor, Department of Music.

Dodson-Webster, Rebecca (2005). B.M., Grove City College, 1987; M.F.A., Carnegie Mellon University, 1989; D.M.A., University of Wisconsin, 1997. Associate Professor, Department of Music.

Doerksen, Teri Ann (2000). B.A., Willamette University, 1989; M.A., University of Colorado at Boulder, 1991; Ph.D., University of Pittsburgh, 1997. Professor, Deparment of Art, Communication, English and World Languages.

Dzuiba, Glorianne (2016). Diploma of Nursing, Robert Packer School of Nursing, 1984; B.S., Mansfield University, 2010; M.S., State University of New York at Oneonta, 2011. Assistant Professor, Department of Nursing and Allied Health Services.

Economos, Nicholas (2013). B.A., The University of North Carolina Charlotte, 1981; M.F.A., The University of Oklahoma, 1985. Assistant Professor, Deparment of Art, Communication, English and World Languages.

Farkas, Elaine (2017). B.S., University of Florida, 2002; M.S., Cornell University, 2006; Ph.D., Cornell University, 2010. Assistant Professor, Department of Natural Sciences.

Feeney, Mary (2013). B.S., Mansfield University, 2001; M.S., Marywood University, 2009; Ph.D., Marywood University, 2013. Assistant Professor, Department of Nursing and Allied Health Services.

Ferrito, Susan (1996). B.S., Wheeling Jesuit College 1985; MS.Ed., Elmira College, 2006. Director of Clinical Education, Respiratory Therapy, Department of Nursing and Allied Health Services.

Gaskievicz, Andrew (1999). B.A. 1988, M.A. 1990, Western Washington University; Ph.D., SUNY Stony Brook, 1999. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Greer, Douglas (2005), A.A., Harrisburg Area Community College, 1987, A.A.S., Mansfield University, 1994. Clinical Instructor, Respiratory Therapy, Department of Nursing and Allied Health Services.

Guenther, Karen (1998). B.A., Stephen F. Austin State University, 1980; M.A., Pennsylvania State University, 1983; Ph.D., University of

Houston, 1994. Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Guignard, James (2005). B.S., Appalachian State University, 1989; B.A., Coastal Carolina University, 1997; M.A., Western Carolina University, 1999; Ph.D., University of Nevada, Reno, 2005. Professor, Deparment of Art, Communication, English and World Languages.

Haner, Matthew (2002). B.S., Elmira College, 1995; M.A. 1999, Ph.D. 2002, Binghamton University. Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

Harris, Andrea (1995). B.A., University of Vermont, 1984; M.A. 1987, Ph.D. 1992, SUNY-Buffalo. Professor, Deparment of Art, Communication, English and World Languages.

Harris, Jamey (2008) B.A., West Virginia University, 1980; M.A., University of South Carolina; M.A. Ibid, 1995. Assistant Professor, Department of Library Instruction and Research Services.

Hensley, Steven (1995). B.S., Eastern Kentucky University, 1982; Ph.D., Wright State University, 1990. Associate Professor, Department of Natural Sciences.

Holderby, Shawndra (2003). B.A., Ball State University, 1988; M.A., Ohio University, 1992; Ph.D., University of Nebraska at Lincoln, 2001. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Jackson, Holly (2019). B.A., Wright State University, 2010; M.A., Wright State University 2012; M.L.S., University of kentucky, 2013. Assistant Professor, Department of Library Instruction and Research Services.

Jacobsen, Jeffrey (2008). B.S., Mayville State University, 1974; M.Ed., University of North Dakota, 1982; Ph.D., University of Northern Colorado. Associate Professor, Department of Music.

Ji, Xiaoxuan (Shelly) (2019). B.S., Sichuan Normal University, 2011; Masters Degree Southern Illinois University, 2014; Masters Degree Southern Illinois University, 2016; Ph.D., Southern Illinois University, 2019. Assistant Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

Kagle, Jeanne (2004). B.A., Swarthmore College, 1999; Ph.D., Cornell University, 2004. Professor, Department of Natural Sciences.

Kasperek, Sheila (2001). B.S., Appalachian State University, 1993; M.L.I.S., University of North Carolina, 2000; M.S., Capella University, 2004. Associate Professor, Department of Library Instruction and Research Services.

Keeth, William (2001). B.A., Whittier College, 1988; M.A., Arizona State University, 1993; Ph.D., Arizona State University, 1999. Associate Professor, Deparment of Art, Communication, English and World Languages.

Kennedy, Linda (2013). B.S., The University of Leeds, 1985; M.S., The University of Sheffield, 1988; Ph.D., The University of North Carolina Greensboro, 2012. Assistant Professor, Department of Natural Sciences.

Kiessling, Anthony (2003). B.S., Rowan University, 1989; Ph.D., University of Delaware, 1996. Associate Professor, Department of Natural Sciences.

Kim, Earl Youngsuck (1988). B.M., Seoul National University, Seoul, Korea, 1978; M.M., New England Conservatory of Music, 1983; D.M.A., University of Miami, 1987. Professor, Department of Music.

Klesh, Jamie (2005). B.S., Mansfield University, 1993; M.S., Binghamton University, 1998; Ph.D., Binghamton University, 2007. Associate Professor, Department of Nursing and Allied Health Services.

Korgeski, Michele (2015). B.S., Bloomsburg University, 2012; M.S., Bloomsburg University, 2013. Instructor, Department of Nursing and Allied Health Services.

Kotchka, Vicki (2012) B.S.N., Mansfield University, 1998; M.S.N., Mansfield University, 2011. Assistant Professor, Department of Nursing and Allied Health Services.

Kutty, Gopalan (1984). Bachelor of Commerce 1971, Masters of Commerce 1974, University of Calicut; M.B.A., Katholieke Universiteit Leuven, 1981; Ph.D., Northeastern University, 1985. Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

Kwak, Eun-Joo (2015). B.M., Seoul National University, 1988; M.M., Roosevelt University 1990; D.M., Northwestern University, 1996. Associate Professor, Department of Music.

Laib, Susan G. (1989). B.M., Eastman School of Music, 1980; M.M., University of Colorado, 1982, D.M.A., Florida State University, 1997. P.T. Associate Professor, Department of Music.

Lanzara, Susan (2008). B.S., Graceland University, 2002; M.S., Mansfield University, 2006; Ph.D., Indiana University of PA, 2014. Associate Professor, Department of Nursing and Allied Health Services.

Lee, Kwang B. (2020). B.S., Ajou University, 1991; MBA, Ajou University, 1993; MS, Texas A&M University, 1999; Ph.D., Rensselaer Polytechnic Institute, 2003. Assistant Professor, Department of Business Administration, Mathematics, Computer Science and Information Systems.

Lint, Bradley (2013). B.A., University of Pittsburgh, 1989; M.A., Indiana University of Pennsylvania, 2002; Ph.D., Indiana University of Pennsylvania, 2008. Assistant Professor, Deparment of Art, Communication, English and World Languages.

Lockwood, Michelle (2008) B.F.A., School of Art & Design, NYSCC at Alfred University, 1989; M.F.A., Goddard College, 2005. Associate Professor, Deparment of Art, Communication, English and World Languages.

Loher, Brian T. (1990). B.A., Indiana University, 1980; M.A. 1984, Ph.D. 1987, Michigan State University. Professor, Department of Behavioral and Social Sciences.

Long, Kristen B. (2016). B.S., Millersville University, 2007; Ph.D., Drexel University College of Medicine, 2012. Assistant Professor, Department of Natural Sciences.

Longcore, Andrew J. (2019). B.S., Ithaca College, 2009; MS., Ithaca College, 2010; Ph.D., Indiana University of Pennsylvania, 2020. Assistant Professor, Department of Art, Communication, English and World Languages.

Madigan, Timothy (2000). B.A., Bloomsburg University, 1985; M.A. 1988, Ph.D. 1992, Pennsylvania State University. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Maisner, N. Roger (1976). B.S., Eastern Michigan University, 1973; M.A., Michigan State University, 1976. Associate Professor, Department of Nursing and Allied Health Services.

Maris, Robert C. (1988). B.S., Texas A&M University, 1975; M.S., University of Southern Mississippi, 1980; Ph.D., Old Dominion University, 1986. Professor, Department of Natural Sciences.

Mayo, Nicole (2013). B.A., Western Oregon University, 2008; M.A., University of San Diego, 2010; Ph.D., Texas Tech University, 2013. Assistant Professor, Department of Behavioral and Social Sciences.

McEvoy, Adrianne (2003). B.A. 1993, M.A. 1999, Ph.D. 2002, State University of New York at Buffalo. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Meisner, Jolene (2015). B.S.W. 1999, Mansfield University; M.S.W., Marywood University 2004. Instructor, Department of Student Support Services.

Monkelien, Sheryl (2001). B.M., Iowa State University, 1980; M.M., University of Nebraska-Lincoln, 1995; Ph.D., University of Nebraska, 2001. Professor, Department of Music.

Moulton, Christine (2004). B.M., Boston Conservatory of Music, 1984; M.M., Manhattan School of Music, 1998; D.M.A., The State University of New Jersey Rutgers, 2006. Associate Professor, Department of Music.

Moyer, Gregory (2015). B.S., Mansfield University, 1995; M.S., Mansfield University, 1998; Ph.D., Southern Illinois University, 2002. Assistant Professor, Department of Natural Sciences.

Murphy, Joseph M. (1987). B.M.E., Bowling Green State University, 1982; M.M. 1983, D.M.A. 1994, Northwestern University. Professor, Department of Music.

Newman, Ira (1972). A.B., Columbia College, 1962; M.A., Columbia University, 1971; Ph.D., University of Connecticut, 1984. Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Oakes, Brian (2005). B.S., Lock Haven University, 1994; M.S., Mansfield University 2001. Assistant Professor, Department of Nursing and Allied Health Services.

Parks, Rebecca (2016). AA, SUNY Alfred, 2991; B.S.E., SUNY Fredonia, 1991; M.S., Elmira College, 2001; Ph.D., Capella University, 2015. Assistant Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Phillips, Melinda (2015). B.A., Prescott College, 2009; M.Ed., Arizona State University, 2013. Instructor, Department of Student Support Services.

Pieper, Holly (2001). B.A., Mt. Mary College, 1992; M.S., Ithaca College, 1997. Assistant Professor, Deparment of Art, Communication, English and World Languages.

Pifer, Lynn (1991). B.A., University of Illinois, 1984; M.A. 1987, Ph.D. 1991, SUNY-Buffalo. Professor, Deparment of Art, Communication, English and World Languages.

Purk, Janice (2005). B.S. 1972, M.A. 1990, Ph.D. 2000, Kent State University. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Ranney, Todd (2009) B.M., Drake University, 1982; M.M., The Cleveland Institute of Music & Case Western Reserve University, 1988; D.M.A., Ohio State University, 2009. Assistant Professor, Music.

Rinnert, Nathan (2003). B.A., The University of Kansas, 1990; M.A., Auburn University, 1995; Ph.D., University of Miami, 2006. Professor, Department of Music.

Rose, Alissa (F2009) B.A., Oberlin College, 1997; B.M., Oberlin Conservatory of Music, 1997; M.M., Rice University, 2000; D.M.A., University of Michigan, 2008. Professor, Department of Music.

Rotella, Deborah K. (2000). B.S., University of Kentucky, 1990; M.S., Finch University of Health Sciences/Chicago Medical School, 1997. Assistant Professor, Department of Student Support Services.

Rothermel, Jonathan (2008) B. A., Millersville University, 1995; M.A., Temple University, 1998; Ph.D., Temple University, 2010. Associate Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Runyan, Nancy (2013). B.A., Indiana University of Pennsylvania, 1991; M.S.N., University of Phoenix, 2008. Assistant Professor, Department of Nursing and Allied Health Services.

Savoye, Philippe (1991). B.S. 1985, M.S. 1988, Ph.D. 1991, University of California, Davis. Professor, Mathematics and Computer Information Science.

Sechrist, Gretchen (F2009) B.A., Bucknell University, 1994; M.A., University of Maryland, 1996; Ph.D., University of Maryland, 2000. Professor, Department of Behavioral and Social Sciences.

Sim, Jaesung (2006). B.P.A. 1988, M.P.A. 1991 Wonkwang University; M.S. Texas Tech University, 1995; Ph.D., University of North Texas, 2003. Associate Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

Spezialetti, Brian D. (1989). B.S., Mansfield University, 1978; M.S. Ed., Elmira College, 1989. Director, Medical Technology Program, Department of Nursing and Allied Health Services.

Stocks, Lee (2012). B.A., Concord University, 1998; M.A., West Virginia University, 2001; Ph.D., Kent State, 2010. Associate Professor, Department of Natural Sciences.

Ulrich, John (1991). B.A., University of Maryland, 1985; M.A. 1988, Ph.D. 1994, SUNY Buffalo. Professor, Deparment of Art, Communication, English and World Languages.

Varner, Christine (2015). B.S.N., Mansfield University, 1997; M.S.N., University of Pheonix, 2003. Assistant Professor, Department of

Nursing and Allied Health Services.

Verno, Karri (2005). B.A., Waynesburg College, 2000; M.A., West Virginia University, 2002; Ph.D., West Virginia University, 2005. Professor, Department of Behavioral and Social Sciences.

Walters, Andrew (2008). B.M., Millikin University, 1989; M.M., Northern Illinois University, 1991; D.M.A., University of Illinois, 2002. Professor, Department of Music.

Welch, Tiffany (2014). B.S.W., Mansfield University, 2005; M.S.W., Marywood University, 2008; D.S.W., Capella University, 2015. Associate Professor, Department of Behavioral and Social Sciences.

Werner-Burke, Nanci (2001). B.S.Ed. 1990, M.Ed. 1991, Clarion University of Pennsylvania; Ph.D., Indiana University of Pennsylvania, 2000. Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Whitecraft, Michele (2013). B.S., Lock Haven University, 1986; M.Ed., Bloomsburg University, 1998; Ph.D., Cornell University, 2013. Assistant Professor, Department of History, Education, Philosophy, Political Science and Sociology.

Wiest, Logan A. (2019). B.S.Ed., Mansfield University of Pennsylvania, 2011; M.S., Temple University, 2014; Ph.D., Baylor University, 2018. Assistant Professor, Department of Natural Sciences.

Wright, Kathy J. (1992). B.S., Mansfield State College, 1982; M.S., Murray State University, 1985; Ph.D., Pennsylvania State University, 1998. Professor, Department of Nursing and Allied Health Services.

Young, Kathryn "Sue" (1999). B.A., Mansfield University, 1986; M.A, 1989, Ph.D. 1992, Pennsylvania State University. Professor, Deparment of Art, Communication, English and World Languages.

Zaparzynski, Laurie (2005). B.S., Lock Haven University, 1987; M.Ed., Bloomsburg University, 1988; M.S., California University of PA, 2007. Assistant Professor, Health Sciences.

Zhou, Xia (2019). B.S., Henan University of Finance and Economics, 1999; Master Degree, University of Willongong, 2001; Ph.D., Drexel, 2013. Assistant Professor, Department of Business Adminstration, Mathematics, Computer Science and Information Systems.

^ TOP

Emeriti

Leserick B. Achey	Richard A Heck	John Phillips
Elizabeth S. Allen*	Mary E. Heltibridle*	Shui-Hsien Pien
Cora Atwater*	Enid L. Hendricks*	Maryon F. Powell*
Bruce Barton*	Robert Heverly*	Thomas D. Prutsman
John H. Baynes*	Peter W. Hill*	Robert C. Putt
Stephen Bencetic*	Kathleen B. Hindman	Linda S. Rashidi
Leonard K. Beyer	Bradley Holtman	Ronald E. Remy
Stephen H. Bickham	L. Raymond Honeywell*	George A. Retan*
Larry T. Biddison	Clarence L. Hunsicker*	Mark Robarge
Ruth Billings	Howard Iseri	Mary L. Robinson-Slabey
Ellen A. Blais	David A. Iovino*	Bertha Rockwell*
Wilfred A. Blais*	Robert S. Irwin, III*	June Rudy
Flor Blanco	Verne G. Jeffers	J. Wayne Rusk III
George Bluhm*	Robert A. Johnson*	David H. Russell
William F. Bogart	Eugene Jones*	Bernard S. Sabol

Margaretta M. Bone*	Rod C. Kelchner	Walter G. Sanders
Florence Borkey*	Peter A. Keller	Kenneth Sarch
Irwin Borodkin*	Katherine E. Keller*	A. Hugh Schintzius
Nancy Boston	Jeanne Kellerman	Angeline Schmid
Robert J. Bridgman*	Marjorie B. Kemper	William F. Schmid*
Marjorie Brooks	Richard L. Kemper*	
Stephen D. Brown	Janice M. Kennedy	Charles Seidel
Nancy C. Brubaker	Alfred E. Kjelgaard	Enrico A. Serine*
Barry L. Brucklacher	Francis J. Kollar	Henry A. Shaw
Celeste Burns	Bernard J. Koloski	Marylou P. Shaw*
Bruce Carpenter	Clarence L. Krantz	Janeen B. Sheehe
James G. Cecere	Catherine Kuster*	Nancy Sidell
William Chabala	Bonnie Kutbay	Jack D. Sidler, Jr.
Bernard K. Clark	Bonelyn L. Kyofski	Theodore M. Slabey*
Owen A. Clark*	Vernon A. Lapps*	Vincent P. Smichowski
Craig Cleland	Gale P. Largey	Laurence H. Snively*
Thomas F. Costello	Margaret Launius*	Richard Soderberg
Michael Crum	Clarence Lienhard	David Solan
Albert Dalmolen*	Michael D. Leiboff*	Judith Sornberger
Bruce J. Davis*	Christine S. Lewis*	Elizabeth Stalford*
Arthur P. DeGenaro*	Marie F. Little*	Donald A. Stanley*
Raliegh DePriest	John Little*	Thomas F. Stich
Alice H. Doane*	S. Manford Lloyd	Ronald Straub
Stella T. Doane*	Thomas H. Loomis*	Louise Sullivan-Blum
Russell Dodson	Philip B. Luce	Elizabeth Swan
Martha Donahue	J. Rick Lucero	Robert E. Swinsick
John G. Doyle*	Leon E. Lunn*	Matthew Syrett
Mary Jane Dugan	Helen D. Lutes*	Richard N. Talbot*
Kathryn Dyck*	John Mansfield*	Jean-Anne Teal Greenshields
Wellington C. Engel*	Edna Marsh	Samuel D. Thomas*
Josephina I. Espino	Ruth H. Marsh*	Robert M. Timko
Leslie E. Evans	Kimble Marvin	Howard P. Travis
Richard Feil*	Richard Mason*	Priscilla M. Travis
David Flesch	Ahmed T. Mathews	Roger T. Trindell*
Jannis Floyd	Stephen McEuen	Mary L. Trowbridge
Jay A. Foreman	Mary McEwan	Larry K. Uffelman
Bertram W. Francis*	Kenneth A. Meyer	Robert W. Unger
Ernest W. Frombach	Laurance W. Miller	Michael Vayansky*
Janet Fuller	Mildred P. Miller*	Edward Washington

Michael Galloway	John R. Monaghan	J. Richard Walker*
Barry Ganong	Elizabeth Morales*	Paula F. Welch
Frances Garrison	James Morgan	Stanley E. Werner
Ralph J. Garvelli	Ethel M. Moser*	William B. Wetherbee*
Arnold George	George H. Mullen	Ellen S. Whisler
Jay A. Gertzman	Jacques D. Mumma*	Martha Whitehouse
Abe Ghods	Thomas Murphy	Jack M. Wilcox*
James Y. Glimm*	J. Dennis Murray	Edward W. Wilson
Ralph C. Goff	Clarence L. Mutchler*	Richard M. Wilson*
William M. Goode*	Winifred Neff*	Dale A. Witherow
Clarissa Randall Gordon*	Schappelle Newel	Robert H. Wooley
Joel E. Grace	Margaret O'Brien*	LeRoy M. Wright
Jessie Grigsby*	Konrad L. Owens	Charles E. Wunderlich*
Mildred Grigsby*	Monique Oyallon	Joyce C. Wunderlich*
Andrew Havalchak	William C. Pfaadt*	William A. Yacovissi
John C. Heaps*	Luther W. Pfluger*	Edwin E. Zdzinski*

* Deceased

[Archived Catalog]

History & Information

Click on a link to be taken to the entry below.

- History
- MU Facts
- Mission Statement
- Statement of Diversity

---

^ TOP

History

Mansfield University traces its heritage to 1857, when the Mansfield Classical Seminary opened. In 1862, Mansfield became a state normal school. In 1927, the institution was designated Mansfield State Teachers College, and in 1960, it broadened its degree offerings and became Mansfield State College. In 1983, the college became Mansfield University and a member of Pennsylvania's State System of Higher Education. Offering a variety of two-year and four-year credentials in the arts and humanities, the natural and social sciences, and professional studies, Mansfield University is committed to helping our students achieve their educational and career goals in a supportive and inclusive learning environment.

^ TOP

MU Facts

The campus consists of 174 acres and 42 buildings and features suite-style residence halls, multiple recreation areas and playing fields, an indoor swimming pool, two performing arts venues (Steadman Theater and Straughn Auditorium), a state-of-the-art library, a fitness center, a student union, and a child care center.

Student Enrollment

Overall enrollment in fall 2020 was 1,792. Of these, 1,489 were full-time and 303 were part-time. Enrolled students represented 22 states, the District of Columbia, and six international countries.

Student-Faculty Ratio

As of fall 2020, the student-faculty ratio was 17:1. Approximately 86% of our classes have fewer than 30 students and 66% have fewer than 20 students.

Student Financial Aid

About 98% of freshmen students receive financial assistance in some form. This includes federal, state, and institutional grants, as well as a variety of loans and employment.

Faculty

As of fall 2020, the University had 85 regular full-time instructional faculty. Of these, 98% have earned tenured or are on the tenure track.

Programs of Study

The University has nine associate degree programs, 27 baccalaureate programs, and two master's degree programs. We also offer 36 minors.

Special Options

Many of our degree progams offer specialized concentrations. We also offer a self-directed major (BA in Liberal Studies), an honors program, internship opportunities, independent study and individualized instruction options, study abroad opportunities, and online course options.

Accreditation

Mansfield University is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104 (267-284-5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education Accreditation.

Other accreditations or recognitions of professional programs are identified in the section of the catalog that describes each program.

Location

With a population of 4,000, Mansfield borough is located in the mountains of northcentral Pennsylvania at the intersection of U.S. 15 and U.S. 6. It is an area noted for its quality of life, safety, and varied recreational opportunities. The University is 45 miles north of Williamsport, PA, and 30 miles south of Corning, NY. Driving time from Harrisburg, PA = 3 hours; Scranton, PA = 2 hours; Buffalo, NY = 3 hours; Binghamton, NY = 2 hours; Philadelphia, PA = 4 hours; Pittsburgh, PA = 5 hours; New York City= 5 hours. Daily bus service, north and south, connects to all points in the northeast U.S.

Region

The natural environment of the area provides numerous opportunities for outdoor recreation. These include hunting, fishing, skiing, camping, hiking, biking, and water sports. The Pennsylvania Grand Canyon, located approximately 20 miles from campus, and other regional state parks provide many recreational opportunities for students. Nearby cultural attractions include The Corning Museum of Glass and The Rockwell Museum of Western Art in Corning, NY, and The Clemens Center for Performing Arts in Elmira, NY.

Cultural Activities

Mansfield University offers a variety of cultural activities during the academic year. Guest lectures, music concerts, art exhibitions, film series, poetry readings, and cultural celebrations are traditions at Mansfield. Frequent recitals by music faculty and students highlight the academic year.

Library Facilities

Mansfield University's North Hall Library is the academic center of the campus. The six-story building provides an elegant nineteenth-century setting where students can access information from around the world through our computers and high-speed wireless network. The library houses a special computer lab for graphic design, a virtual reality lab, a variety of specialized collections, and the University's archives.

Housing and Dining

Suite-style residence halls have the capacity to house approximately 1,300 students on campus. A wide variety of private-room and shared-room suite options are available. There are also some special interest living areas offered. When it comes to dining on campus, the Mountie Food Co. offers a variety of menu options and services. Our venues include an all-you-care-to-eat facility (Upper Manser Student Restaurant), a café (Mountie Coffee), two retail locations (Lower Manser and Mountie Munchies) and even a 24-7 convenience store (Mountie Market). In

addition, there are programs and events that are offered during the academic year to meet the diversified needs of Mansfield University. On-campus dining offers convenience, flexibility, quality and value. Our meal plans give you flexibility to dine where and when you want.

Calendar

The regular academic calendar consists of a fall semester which ends before Christmas and a spring semester ending in early May. The University offers two summer sessions. Consult the online calendars for more detailed information about calendar dates and events.

^ TOP

Our Mission, Vision, and Values Statements

Mission

Offering dynamic programs in the arts and humanities, natural and social sciences, and professional studies, Mansfield University of Pennsylvania prepares our students for successful lives and careers. As an inclusive public institution, Mansfield University provides our students with a welcoming environment, individualized attention, and meaningful opportunities to learn and grow within and beyond the classroom. Through the Mansfield experience, our students develop the knowledge, skills, and character necessary to achieve their educational and career goals.

Vision

Mansfield University will be the leading higher education institution in the region.

We will strive to:

- Provide students with the richest possible educational experience in a supportive environment.
- Nurture the whole student through an inclusive, diverse, and welcoming community.
- Develop academic programs that meet the needs of regional, state, and global communities.
- Collaborate with other educational institutions to achieve mutual goals and expand student opportunities.

Values

In 1912, our student body adopted the following values statement: “Character as the essential, Scholarship as the means, Culture as the enrichment, and Service as the end of all worthy endeavors.”

Character

> We believe in **integrity**. We act with honesty and respect toward others. We take responsibility for our actions and reflect on their impact on ourselves and others.

Scholarship

> We believe in **learning**. We use rigorous, responsible, and critical inquiry to understand existing knowledge, acquire and share new knowledge, and apply what we learn. Each of us is both student and teacher.

Culture

> We believe in **celebrating humanity**. We enrich ourselves and others by sharing and exploring our similarities and differences. We honor the past as we invent the future.

Service

We believe in **helping others**. We work with others to improve the communities in which we now live and will touch in the future. Knowledge invests us with the power to improve our world and the responsibility to act.

---

^ TOP

Statement of Diversity

Graduates of Mansfield University participate in a world that has been enriched by knowledge, insights, and traditions of diverse peoples who live and work together. An academic community that values diversity by words and actions provides the best environment in which students can learn the social skills necessary to participate and flourish in our multicultural environment.

The Mansfield University Council of Trustees reaffirms that the purpose of Mansfield University, as stated by President Simon B. Elliot in 1912, shall be “to strive to make education universal; that the rich and the poor, the child of those who have power and place, and of those who tread the lowly paths of life, shall receive alike the blessings of education … and invite equally and alike, without distinction of sex, or color, or race, or creed, or party, the children of all who may desire to participate in the opportunities here offered. That is the highest purpose for which Mansfield may be praised.”

^ TOP

[Archived Catalog]

Policies

The University reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations at any time, when, in the judgment of the faculty, the President, and the Council of Trustees, such changes are in the best interest of the students and the university. University policy and procedures can be found online in "The *Mountie Manual*".

Academic Intervention

1. At the halfway point in each semester, faculty will submit mid-semester grades for all courses.

2. When a student's GPA is less than 2.0 for that semester (calculated using mid-semester grades from the current semester only), the student is designated for academic intervention. Prior performance in previous semesters is not considered in this GPA calculation.

3. Within two working days of the deadline for the mid-semester grade posting, each department secretary runs a query for advisors that lists the advisees designated for academic intervention. Query results are provided to advisors and to department chairs. Department chairs notify students via email, with a copy to each student's advisor, that they have been designated for academic intervention. This email encourages students to contact their advisor as soon as possible to schedule an appointment.

4. Advisors will communicate with their advisees within a week of the mid-semester grade posting deadline. The advisor and advisee will then create and implement an individualized plan for success that includes the mandatory use of appropriate academic support resources, such as those provided by the Department of Academic and Human Development (tutoring services, supplemental instruction, the Writing Center, etc.). Records of participation will be maintained and consulted during any future dismissal appeal decisions.

Academic Probation

1. Students with an overall GPA below 2.0 at the end of a single semester only (not two consecutive semesters) are placed on academic probation.

2. Students on academic probation must meet with their Departmental Student Support Committee (DSSC) at the beginning of the next semester, preferably during the first week. A minimum of three faculty members will serve on the DSSC. At that mandatory meeting, the DSSC will review any previously developed plans for success and make additional recommendations, if necessary.

3. Students whose overall GPA is 2.0 or above at the conclusion of their probationary semester are removed from probation.

4. Students whose overall GPA is below 2.0 for a second consecutive semester are academically dismissed.

Academic Dismissal

1. An overall grade point average (GPA) of 2.0 is the minimum required for continued matriculation and good academic standing.

2. Students with an overall GPA below 2.0 for two consecutive semesters are academically dismissed.

3. Dismissals are processed through the Department of Academic and Human Development. Students dismissed for the first time at the end of the Fall semester may appeal their dismissal through the Academic Standards Review Board (ASRB) process. Students dismissed for the first time at the end of the Spring term may appeal their dismissal through the ASRB process or choose the "summer option" and take courses

during the summer to improve their GPA.

4. Students who have been dismissed more than once may appeal their dismissal to the appropriate Dean.

5. Students who are reinstated are expected to abide by any conditions placed on their reinstatement by the ASRB and/or the appropriate Dean. Failure to abide by these conditions may result in the denial of any subsequent dismissal appeal.

6. Students who are not reinstated are encouraged to pursue coursework at a community college or another accredited higher education institution and consider applying for re-admission to Mansfield University after two semesters.

Academic Integrity

The integrity of all scholarly work is at the foundation of an academic community. Students are expected to be responsible for their own academic work. Dishonesty in academic work, including cheating, academic misconduct, fabrication, or plagiarism is unacceptable. Faculty are expected to instruct students in ways of avoiding these forms of academic dishonesty. Faculty are also responsible for assessing and reporting all charges of academic dishonesty to the Office of the Provost. See the policy and procedure listed at the Academic Affairs faculty resource page under "Academic Integrity Policy."

Academic Major/Minor Requirements

The requirements for each student's major or minor programs of study appear on the Degree Audit, which is maintained by the Registrar's Office and is available online. Each student must complete the major or minor requirements that exist at the time he or she is admitted to the university. Should major or minor requirements change, the change affects only new students and currently enrolled students who may choose to satisfy the new program requirements. Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission.

Academic Minor

A minor consists of no fewer than 18 and no more than 24 related credit hours in an approved program of study, at least six (6) credits of which are at the 3000 level or higher. The minor is a clearly defined area of study that is sufficiently distinct from a student's academic major to qualify for recognition on the transcript. Students may minor in any discipline except for their major area (i.e., the major [or concentration] and minor cannot share the same name). A student must apply six (6) credits toward fulfillment of the minor requirements which are not applied toward the fulfillment of the major requirements. Students must maintain a minimum 2.0 cumulative grade point average (GPA) in all courses required.

Bachelor of Arts degree candidates must choose between a minor or second-year foreign language proficiency. To earn a Mansfield University minor, students must complete at least 50% of the required minor course work from Mansfield University. Though not a requirement for other degrees, a minor can be used to enhance academic experience and will appear on the student's permanent record. Forms for declaring an academic minor are available online at Academic Forms.

Academic Standing

Good academic standing is defined as a minimum 2.0 cumulative GPA. Some programs (e.g., Teacher Education) require a higher GPA to continue through their curriculum.

Accessibility Services

Section 504 of the Rehabilitation Act of 1973 provides that any otherwise qualified individuals with a disability shall, solely by reason of their disability, not be excluded from the participation in, nor be denied the benefits of, or be subject to discrimination under any program or activity receiving federal financial assistance. Section 504 prohibits discrimination against individuals with disabilities in recruitment, testing, admissions, or after being admitted to a college or university. Mansfield University is committed to making the necessary adjustments to ensure that individuals with disabilities are able to fulfill academic requirements and are not excluded from employment or services because of their condition. Inquiries should be directed to the Office of Services for Students with Disabilities. 570-662-4436.

Act 48

Act 48 of 1999 requires persons holding Pennsylvania professional educator certification to complete continuing education requirements every five years to maintain active certification. Pennsylvania certified teachers wishing to use credit course work at Mansfield University to meet the Act 48 requirement should log on to the following website: https://www. edulinkinc.com/act48Provider/default.asp, click on the Professional Educator link, create an account, enter the course(s) information and submit. Mansfield University will then verify the information and report courses satisfactorily completed to the Pennsylvania Department of Education. Some non-credit courses and workshops offered by Mansfield University may also be eligible for ACT 48 credit. Attendees should also use the Edulink site to submit course completion for Mansfield University approval.

Teachers are responsible for selecting courses pertaining to their areas of certification or teaching assignments. Contact the Registrar's Office, (570) 662-4874.

Add/Drop

Student's may ADD and DROP courses during the first seven business days of a semester using WebAdvisor. If the course is full or creates a conflict with scheduling, students may use an Add card available in the Registrar's Office, 224 South Hall. The class instructor must sign all add cards. Students who have earned fewer than 60 credits must also have add cards signed by their advisor.

Adding Major(s) to a Completed Baccalaureate Degree

A graduate of Mansfield University may be readmitted to add a new major(s) to a prior degree. Each student must be accepted by the department offering the program of study and fulfill all the requirements for the new major. Any courses required in the new major that were completed prior to returning to Mansfield will be waived. General Education will be considered satisfied, except specific requirements for the second major, if they have not already been completed.

The GPA of the original degree will be "sealed." There will be a new and totally distinct GPA for the additional major(s). A student must maintain a minimum GPA of 2.0 in work taken after the baccalaureate degree to remain at Mansfield. There is no minimum number of hours which must be completed after receipt of the degree in order to add a new major. Some majors require a GPA higher than 2.0.

Upon completion of all requirements, a notation will be made on the permanent record indicating the new major(s) and the date completed.

Advanced Placement (AP)

Mansfield University accepts high school courses taken prior to admission to the university under the national Advanced Placement (AP) program. A minimum score of three (3) on each qualifying examination is required for award of credit. No more than 24 credits earned by such examinations may be applied toward graduation requirements.

Application for Graduation

Candidates for the associate's degree or bachelor's degree must complete an Application for Graduation online via WebAdvisor no later than one year prior to the anticipated graduation.

Students are encouraged to participate in a commencement ceremony, which recognizes and honors their academic accomplishments. Commencement ceremonies are held following the fall and spring semesters.

Attendance Policy

Regular and punctual class attendance is expected. Documented excuses because of illness, serious mitigating circumstances, official military service, or official university representation will be accepted by all faculty members. In these cases, faculty members will permit students to make up all graded course components without penalty in a reasonable manner at a time agreeable to the instructor and student. Students must provide documentation before absences can be excused. All instructors are expected to make their class participation and attendance

policies clear in the course syllabi.

Audit (AU)

A student interested in auditing a course (attending class, but receiving no grade or credits) must submit the Audit Form before the end of the Add Period (first seven calendar days of the semester). The class instructor must grant permission for any student to audit a course. Not all courses are available for audit. Courses with high degrees of specialized equipment and/or one-on-one faculty-student interaction (such as science labs) are generally not open to audit. Exceptions to this policy may be petitioned to the Dean for review. The cost for auditing is $50. The Audit Form is available at Academic Forms.

Change of Major/Minor

Change of major or minor forms are available online at Academic Forms.

Class Standing

Class standing is determined by the total number of credit hours earned including credits accepted in transfer from other accredited colleges.

First Year	0-29 credit hours earned
Sophomore	30-59 credit hours earned
Junior	60-89 credit hours earned
Senior	90+ credit hours earned

College Level Examination Program (CLEP)

We participate in the national College Level Examination Program (CLEP). Mansfield University grants credit for CLEP SUBJECT examinations, but does not grant credit for the CLEP GENERAL examination. Subject examinations are available in the areas of business, composition, education, foreign languages, humanities, mathematics, science, and social science.

CLEP offers a way to earn college credits for prior learning and may shorten the length of the college experience. The minimum score to earn credit is 50. Information regarding CLEP examinations is available from the Registrar's Office.

Commencement Honors

Superior scholastic achievement is recognized at Commencement. A bachelor's degree student must have completed at least 45 credit hours at Mansfield University prior to the final semester to receive honors recognition at Commencement. Honors designations are based on cumulative grade point average (GPA) as indicated:

Cum Laude	3.35 to 3.64
Magna Cum Laude	3.65 to 3.94
Summa Cum Laude	3.95 to 4.00

Students who meet the honors requirements upon completion of their final semester with a minimum of 60 credit hours at Mansfield University will have such recognition noted on their permanent record.

An associate's degree student must have completed at least 30 credit hours at Mansfield University prior to the final semester to receive honors recognition at commencement. A cumulative GPA of 3.5 or higher is required for this recognition, associate's degree with honors.

Complete Degree/Program Requirements Off Campus

All first baccalaureate degree students must complete at least 30 of their last 60 credits from Mansfield University. All first associate's degree students must complete at least 15 of their last 30 credits from Mansfield University. Undergraduate matriculated degree-seeking students who wish to complete their degree/program requirement(s) at another regionally accredited institution will be required to secure prior approval by petitioning the Dean. The process will also require completion of the Transfer Credit Form. The Undergraduate Petition and Transfer Credit Form are both available on the Registrar's Office website at Academic Forms. To attend another PASSHE university, please refer to the Visiting Student policy. To attend a college or university outside the United States, students should refer to the Study Abroad and International Exchanges Policy. For additional residency credit completion requirements, please refer to the Maximum Hours Accepted in Transfer policy.

For active-duty service members, the academic residency requirements will not exceed 25 percent of the undergraduate degree program. If the undergraduate degree is available 100 percent online, the academic requirements will not exceed 30 percent of the undergraduate degree program. With the exception of specific course areas such as majors, the academic residency requirements for active-duty service members will not include a "final year" or "final semester" requirement.

Course Load

A normal academic course load is 12 to 18 credit hours per semester. 12 credit hours is considered full time status for Federal and State financial aid purposes.To schedule more than 18 credit hours in a semester, the student must have a 3.0 cumulative point average (GPA). A student who does not have a 3.0 GPA may submit a petition to the Dean for permission. Petitions are available online at Academic Forms.

Course Time Limit

Mansfield University welcomes the return of students who for a variety of reasons have not completed their undergraduate degrees. Courses completed, either at Mansfield or in transfer, more than ten years prior to the date of readmission will not routinely be counted towards graduation requirements. The content of these courses may no longer be current or even required for a degree program. Students may apply, via a petition that includes specific justification for a waiver, to have course work older than ten years applied toward a degree. Any such petition may need to address courses individually. Nothing in this policy precludes a department from establishing more stringent standards.

Credit by Exam (EX)

Matriculated students who feel they have already mastered the material offered in Mansfield University courses may request permission to challenge the courses by examination. Students may elect this option during the first seven calendar days of the semester. This does not include courses in the areas of independent study, ensemble or other group participation courses, student teaching or pre-professional experience, seminar or selected topics, and laboratory experiences unless special permission is provided by the department offering the course and the Dean. Students may not repeat a course using Credit by Examination.

Students may not challenge a course in which they have already demonstrated competency by passing a more advanced course. Similarly, students may not challenge a course that has been waived because of demonstrated competency or advanced placement. The examination must be completed and the contract returned to the Dean within the first four weeks of the semester. Applications are available online at Academic Forms.

Dean's List

The Dean's List is issued at the close of each semester. It includes only undergraduate matriculated students. A student must earn at least 12 credits for which a letter grade is received (P/F and S/U grades are excluded) to be eligible. The semester grade point average (GPA) must be between 3.50 and 3.99 inclusive.

Dual Degrees

Students may complete two baccalaureate degrees simultaneously. The student must complete all program requirements for both degrees.

Dual/Multiple Majors

Students may complete multiple majors within the same degree; that is, a second B.A. major may be added to a B.A. degree, a B.S. to a B.S., etc. The first major selected is considered primary. The one exception to this is the Liberal Studies major. A student may not declare Liberal Studies as a second major. Students may also complete two majors that do not lead to the same degree (B.A., B.S., B.M., etc.). To complete two majors leading to different degrees, the student declares the first major and the second major. The first major determines the specific degree awarded, and successful completion of the second major is noted on the student's transcript ("Successfully completed requirements of the academic major in …"). Completion of two different majors does not result in the awarding of two degrees.

Due Process (Appealing a Grade)

A student wishing to appeal a grade should refer to the procedures outlined at http://www2.mansfield.edu/academic-affairs/faculty-resources/forms-and-procedures.cfm under "Due Process/Appeals" or "Grade Appeals."

Family Education Rights and Privacy Act / FERPA for Students

I. DEFINITION

FERPA (the Family Educational Rights and Privacy Act) was enacted in 1974. It is a set of regulations that applies to institutions that receive funding from the Department of Education.

II. PURPOSE

FERPA was written specifically to protect the interests of students and guarantees them the right to inspect and review their education records, the right to seek to amend education records, and the right to have some control over the disclosure of information from those education records.

III. REQUIREMENTS

a. Mansfield University regards all of its students, regardless of age, as emancipated. This means that the regulations apply to all of our students regardless of their age.

b. An education record is defined as any record that directly identifies a student and is maintained by the institution or educational agency or by a party acting for the institution or educational agency. A key characteristic of education records is that they are shared by university employees who have a legitimate need to advise students, enter information into the record, or work with the data contained in the records. Education records can exist in any medium including the following: handwritten, typed, computer-generated, videotape, audiotape, film, microfilm, microfiche, e-mail, and so on.

c. Mansfield University designates the following categories of student information as public or "Directory Information." Mansfield University may disclose such information at its discretion. While Mansfield University has the right to disclose this information, all necessary precautions are taken to protect the safety and well-being of our students. Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can, but is not required to be, disclosed to outside organizations without the student's written permission. Mansfield University is committed to maintaining the privacy of its students' records and therefore limits its release of Directory Information for official university purposes only. Mansfield University will not release Directory Information for solicitation purposes to third parties from outside the university. This includes outside vendors, businesses, and organizations unless the university has entered into a contract or agreement with the organization to supply specific services to the university or its students that requires the use of this information. While FERPA permits a university to release personally identifiable information designated as "Directory Information," the university is not required to release that information. It is university policy to review each request to release directory information and NOT to release directory information unless a clear case is made that it is in the best interests of the student. It is solely the purview of the university to determine the "best interest" of the student.

Directory Information may include the following: awards and honors (Dean's List), class standing (e.g. sophomore), current

enrollment, dates of attendance, degree(s) conferred (including dates), full-time or part-time status, major field(s) of study, name, hometown, picture of student, and past and present participation in officially recognized sports and activities, including fraternities and sororities, and physical factors of athletes (e.g. height, weight).

d. As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which education records and personally identifiable information (PII) contained in such records-including Social Security Number, grades, or other private information - may be accessed without consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to education records and PII without consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to education records and PII without consent to researchers performing certain types of studies, in certain cases even when Mansfield University objects to or does not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without consent the PII from education records, and they may track participation in education and other programs by linking such PII to other personal information that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

e. Any student wishing to prevent the public disclosure of this information may request so by contacting the Registrar's Office, 224 South Hall, prior to the close of the first week of classes of any given academic semester.

f. The Family Education Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

i. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the Registrar, Dean, Department Chairperson, or other appropriate official, written requests that identify the record(s) they wish to inspect. The official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

ii. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading. Students may ask the University Registrar's Office to amend a record that they believe is inaccurate or misleading. They should write the official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision.

iii. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to University officials with legitimate educational interests. A University official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Council of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

iv. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Mansfield University of PA to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW

Washington, DC 20202-4605

http://www2.ed.gov/policy/gen/guid/fpco/index.html

IV. ACCESS TO RECORDS

a. A University official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

b. Upon request, the University may disclose education records without consent to officials of another school in which a student intends to enroll.

V. DISTRIBUTION

Copies of the University's policy governing the Family Education Rights and Privacy Act and Student Release of Information Forms are available at the Student Registration and Financial Services Office, 224 South Hall. Questions concerning FERPA should be referred to the Registrar.

Grade Change

If an instructor makes an error in the final grade given to a student, a grade change request must be made within the first three weeks of the subsequent semester. Grade changes are not allowed after that time unless a request for an extension is made by the faculty member to the Dean.

Grading

Professors provide students written syllabi which include the criteria for academic evaluation, prior to the end of the first week of class. Mansfield University uses a 4-point grading scale, as shown below, to evaluate academic performance.

GRADES	INTERPRETATION	GRADE POINTS
A	Excellent	4.0
A-		3.7
B+		3.3
B	Above Average	3.0
B-		2.7
C+		2.3
C	Good Standing	2.0
C-		1.7
D+		1.3

D	Minimally Passing	1.0
D-		0.7
F	Failure, Earned	0.0
F*	Failure, Unearned	0.0

The following designations may be used in addition to the grades shown above:

AU	Audit
EX	Credit by Examination (D- grade or better)
I	Incomplete
P/F	Pass/Fail (D- grade or better)
S	Satisfactory (D- grade or better)
U	Unsatisfactory
W	Withdrawal from a course after the drop period
NC	No Credit

The cumulative grade point average (GPA) is determined by dividing the total number of grade points earned by the total number of credit hours of work attempted. The cumulative GPA is the index by which a student's academic standing is judged.

Graduation - Commencement Participation Policy

Students are expected to attend the commencement ceremony following the semester in which they have been certified for graduation. Under conditions listed below, and after verification by the appropriate college dean, students may be permitted to participate in a commencement ceremony prior to the completion of their remaining coursework. The following conditions must be met before permission can be granted:

The student must

1. Be within no more than 2 courses or 8 credits from meeting all graduation requirements
2. Be registered to complete all outstanding coursework by the conclusion of the following semester
3. Have a zero account balance
4. Register for graduation by the normal deadline date
5. Meet all other Mansfield University Graduation Requirements

Graduation Requirements

It is the student's responsibility to understand the university requirements for the chosen major and for graduation.

Students who graduate from Mansfield University with an **associate's degree** must meet the following requirements.

1. Earn the minimum number of credit hours for the particular major, plus any required preparatory (0090) courses. Preparatory courses completed increase the total number of credit hours required for graduation.
2. Earn a minimum 2.0 cumulative grade point average (GPA) in all work attempted and in the major.
3. Complete requirements for general education and the major.

Students who graduate from Mansfield University with a **baccalaureate degree** must meet the following requirements.

1. Earn the minimum number of credit hours for the particular major, plus any required preparatory (0090) courses. Preparatory (0090) courses completed increase the total number of credit hours required for graduation.
2. Earn a minimum 2.0 cumulative grade point average (GPA) in all work attempted and in the major.
3. Complete requirements for general education and for the major.
4. Complete 42 credits of the total credits required for a degree at the 3000 course level or higher.
5. Complete a second-year language proficiency or minor for a B.A. degree. Second-year language proficiency is defined as successful completion of the 2202 level of a foreign language.

Students who graduate from Mansfield University with a recommendation for **teacher certification** must meet the following requirements.

1. Earn the state-mandated minimum GPA for your cohort group (determined when first "gates" requirements are met and not sooner than 48 credits).
2. Complete a teacher preparation certificate program approved by the Pennsylvania Department of Education.
3. Complete all Mansfield University requirements for a baccalaureate degree.
4. Pass all state mandated examinations (e.g. Praxis/PECT) for the appropriate area(s) of teaching certification.
5. Present evidence that state mandated clearance requirements as specified under Act 34 and Act 151, Act 114 (PA FBI), and PA School Code 23.44 (proof of a negative TB Tine Test) have been met.

A student may earn a university degree with less than the state-mandated minimum GPA, lacking the required clearances, or without having passed all required certification examinations, but the University will not recommend that student to the Pennsylvania Department of Education for certification.

No student may be granted an associate's degree or a baccalaureate degree from the University without earning at Mansfield University at least 25% of the required total credits for the degree. Exceptions may be made with approval from the Office of the Provost. Transfer credit may be awarded for up to 50% of the major requirements including major-related electives. If the remaining credits do not meet Mansfield University guidelines for general education, they are applied as free electives.

Each student will receive a "Graduation Outlook" upon completion of the Application for Graduation. The "Graduation Outlook" notes courses and/or requirements still necessary to be completed for graduation including any deficiency in the cumulative grade point average (GPA) in all work attempted and in the major. A final outlook showing deficiencies will be sent after the end of the Add/Drop period in the semester in which the student intends to graduate.

Harassment and Non-Discrimination Policy

It is the policy of Mansfield University to ensure a work, educational, and residential environment free of discrimination on the basis of race, color, religion, sex, disability, ancestry, national origin, age, sexual orientation, gender identity/expression, genetic background, or veteran status. In accordance with state and federal laws, Mansfield University prohibits and will not tolerate unlawful discrimination. The University also prohibits retaliation against any party for participating in a discrimination investigation. https://www.mansfield.edu/policies-procedures/#D

Human Subject Research Policy

Research projects undertaken by Mansfield University students, staff, or faculty members must be approved prior to involvement of human subjects and the initiation of the research. The review process, intended for the protection of the human subjects, shall be the sole object of the review. The Mansfield University Institutional Review Board (IRB) is the final authority in determining approvals for research involving human subjects. Faculty and students wishing to apply for review of research should contact the department chairperson, who will provide a copy of the guidelines, application form, and a sample informed consent form. Applicants must submit two copies of the Request for Review of Research form and one copy of the Informed Consent form to the department chair. Depending on the nature of the research, and the potential risks to subjects, the department will undertake a departmental review of the application, or forward it to the IRB Chairperson for

board review. Copies of the IRB guidelines and forms are also available at the university web site: https://esd.mansfield.edu/forms-and-policies/governance-policies.cfm or by contacting Dr. Francis Craig, Chairperson of the IRB, South Hall. Persons undertaking human subjects research should submit their applications at least 3-4 weeks prior to the proposed research project start.

IB Credits

International Baccalaureate collaborates with secondary schools around the world on programs for students ages 16 through 19. The two-year comprehensive curriculum allows participating students and IB graduates to fulfill requirements of various national education systems. In addition to applied academics, the IB program works with students to develop responsible citizenship, leadership skills, and cultural sensitivity.

IB students entering Mansfield University may receive 6-8 credits for each higher level IB examination completed with a score of 4-7. Credits are awarded for higher-level subjects. No credit is awarded for subsidiary-level subjects. For more information regarding IB credits, please contact the Transfer Coordinator in the Admissions office at 570-662-4408.

Incomplete Grades (I)

An "I" (Incomplete) grade is used to denote unfinished work because of serious mitigating circumstances beyond the student's control. It is a privilege granted because of circumstances, not a right to be expected by the student.

The I is submitted by professors at their discretion on the grade report form at the end of the semester. The professor and the student will identify the specific requirements to be satisfied in order to convert the I to a letter grade. The student is responsible for the removal of an I grade by the end of the fourth week of the subsequent semester, except in cases where serious circumstances prevail and a request for an extension is made by the faculty member to the Registrar's Office. If the I grade is not cleared within the allotted time period, a final grade of F is recorded.

Independent Study and Individualized Instruction

Guidelines for Independent Study and Individualized Instruction

Independent Study and Individualized Instruction provide academic opportunities that can enhance a student's education. Approval of these activities requires a careful consideration of academic, individual, and financial matters.

Independent Study (IS) is available in each curricular field. The appropriate curricular prefix precedes the course number 4497, and the credit hours vary from one to three. Independent Study may be repeated for more than three credit hours total, but each Independent Study project may be for no more than three credit hours.

Independent Study is an activity initiated by students to increase their already advanced knowledge in particular academic disciplines. A specified subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. To request approval for an Independent Study, a student must prepare a contract available online at Academic Forms, which then must be completed and approved by the faculty director, department chairperson, and Dean. A request for Independent Study must be completed prior to the start of the semester or summer session for which the Independent Study is sought.

Independent studies will be approved only where there is sufficient evidence of the potential of the study to advance the student's scholarly development.

All requests for Independent Study should be accompanied by an appropriate and scholarly proposal that has been carefully reviewed by the student and the faculty director who will supervise the Independent Study.

The proposal should include a plan of activities to be undertaken, the "products" to be expected from the study (for example, a paper, a performance, a research report, or presentation to a departmental symposium), a timetable for the study, and an estimate of the amount of effort that will be applied to the study so that the appropriate amount of credit can be assessed. Only in rare instances would more than two independent study proposals be approved as part of a student's curriculum.

Individualized Instruction (II) is available on a restricted basis. Ordinarily permission to take a course by Individualized Instruction is

reserved for students who are close to graduation and who have not been able to meet a degree requirement either because the course has not been available or because of some other mitigating circumstance. Individualized Instructions may not be used to retake a course the student has failed previously.

A student's decision to move from the Mansfield area or a conflict with another obligation, such as a job, will not normally be sufficient to justify an Individualized Instruction. A call to military service or a serious extended illness, on the other hand, may be viewed as sufficient mitigating circumstances.

An Individualized Instruction is not normally approved if there is evidence that a student delayed taking a course or dropped a course earlier in his or her academic career and did not make a clear attempt to complete it as part of a regular schedule.

In instances where there are repeated requests from a department to offer a course via Individualized Instruction, it would be advisable for the department to reassess its ability to support the curriculum.

A request for a course by Individualized Instruction is available online at Academic Forms and must be completed and approved by the faculty director, department chairperson, and the Dean. A request for Individualized Instruction must be completed prior to the start of the semester or summer session for which the Individualized Instruction is sought.

Requests for Individualized Instruction should be accompanied by a detailed justification and explanation of the mitigating circumstances that require the course to be taken in this manner, a current course syllabus that outlines the material to be covered, the learning outcome, a timetable for the instruction, and the means of assessment that will be applied to determine the grade assigned.

Maintenance of Matriculation

Students who are off campus completing approved course work consistent with program requirements and thereby meet degree or program requirements in effect at the time of initial matriculation are considered to be in a continuing matriculated status.

Mid-Semester Grades

Students enrolled in undergraduate-level courses receive mid-semester grades on a scale of A through F to enable them to recognize their academic status in each of these courses at mid-semester.

Military Service Credit

Veterans having completed a minimum of basic training with honorable service in the United States Service Branches (DD 214) may apply for three credits in HPE (Health & Physical Education). In addition, credit may be awarded for service training programs based on an official military transcript and recommendations in the American Council on Education Guide.

Minimum Academic Standards

All degree-seeking students must meet the minimum academic standards of the institution. The minimum academic requirements for continuation at Mansfield are a 2.0 Grade Point Average (GPA).

Pass/Fail (P or F)

Students may take a maximum of 12 credits on a pass/fail basis; however, no more than one course each semester may be taken under the pass/fail option. Pass credits are not reflected in the student's GPA; however, a passing (P) grade is counted as credit hours earned. Students may elect the pass/fail option during the first seven calendar days of the semester. They may neither change the pass/fail option to a letter grade nor select the pass/fail option after the first seven calendar days of the semester. A passing grade is considered D- or better. A grade of F will impact the GPA. Three failures under this option will constitute a loss of the option. Pass/Fail application forms are available online at Academic Forms.

The following restrictions apply:

1. Pass/Fail credits cannot count towards more than one course in each area of General Education and cannot surpass 50% of the

credits in one Gen. Ed. area.

2. Courses required to complete a major or an academic minor may be included in the pass/fail option at the discretion of that department and require the chairperson's signature.

3. Students may not repeat a course using the pass/fail option.

4. If a pass/fail grade cannot be used towards an individual course or there is a minimum grade standard for a course, then this requirement will be clearly stated in the catalog and will supersede the general policy restrictions.

Petition Process

Program Variance: under special circumstances, curriculum requirements may be modified. A department chairperson may substitute or waive course requirements in a major by informing the Registrar's Office in writing of such requested program changes. Students may petition the Dean for other program variances.

Waiver of University Policies or Regulations: when any rule or regulation of the University causes an unfair hardship, a student may petition the Dean for an exception. In these instances, students should contact their advisor for assistance in preparation of petitions. Petitions are available online at Academic Forms.

Preparatory (0090) Courses

Entering students are evaluated in mathematics and writing to assure a minimal level of competency. Students whose academic profile at the time of admission suggests they may be in need of developmental coursework in mathematics or English are required to take a placement exam during Orientation. Performance on the placement exam determines the level of coursework necessary. The developmental course in mathematics is MA 0090: Basic Algebra, and the developmental course in English is ENG 0090: Basic Writing Skills. Students who successfully complete developmental-level courses earn the relevant course credits; however, these credits are added to, rather than count toward, the minimum number of credits required for graduation. Any required 0090 course must be taken during the first 57 credit hours attempted.

President's List

The President's List is issued at the close of each semester. It includes only undergraduate matriculated students. A student must earn at least 12 credits for which a letter grade is received (P/F and S/U grades are excluded) to be eligible. The semester grade point average (GPA) must be 4.00.

Readmission Policy

Matriculated students who have not been in regular attendance during the previous semester must apply for readmission to the University. This does not apply to non-matriculated students.

Applications for readmission must be submitted online at https://ssl.mansfield.edu/reapply/reapplyMU.cfm .

Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission. Before students are readmitted, they must clear all outstanding university-related debts.

Repeating a Course

Students are limited to a total of six repeated courses, with a limit of three repeats for any specific course. The most recent grade, regardless of whether it is higher or lower, will be the grade used for the GPA calculation. Students may not repeat a course using the pass/fail or credit-by-exam option.

Second Baccalaureate Degree

A student who possesses a baccalaureate degree may earn a second bachelor's degree upon completion of the following requirements: (1) a

minimum of 30 credit hours at Mansfield following the first degree (internships, observation/participation, and student teaching credit hours are not counted in the required minimum), (2) all requirements for the major in which the second degree is to be earned, (3) General Education is considered closed on the first degree except for any specific General Education requirements for the second degree if not already completed, and (4) earn at least a 2.0 cumulative grade point average (GPA) in all work attempted and in the major. The GPA of the original degree will be "sealed." There will be a new and totally distinct GPA for the new degree.

Semester Off Campus

Undergraduate matriculated degree-seeking students who wish to pursue a semester at a regionally accredited non-PASSHE (Pennsylvania State System of Higher Education) college or university located within the United States are required to secure prior approval by petitioning the Dean. The process will also require completion of the Transfer Credit Form. The Undergraduate Petition and Transfer Credit Form are both available on the Registrar's website at Academic Forms. To attend another PASSHE university, please refer to the Visiting Student policy. To attend a college or university outside of the United States, please refer to the Study Abroad and International Exchanges policy.

State Authorization

State Authorization and How It Affects Prospective and Current Mansfield University Students

State Authorization is a legal and regulatory term that applies to a university's compliance with individual statutes, regulations, and rules in each state in which it serves students. Postsecondary institutions are required to seek individual authorization to deliver or facilitate educational services, programs, or activities from each state in which they operate or have a physical presence. The regulation seeks to protect higher education student consumers and may impact institutional eligibility regarding certain programs, such as Title IV federal financial aid, if compliance with regulations are not met. Because of the need to maintain regulatory compliance, Mansfield University will hold an applicant's admission decision into fully online degree programs if the University does not have the authorization to provide these programs in the states where the applicants physically reside. Likewise, the University will allow only current students to undertake field experiences in those states where it has permission to do so.

Federal regulation requires all postsecondary institutions to provide students with information necessary to make informed decisions concerning their educational experiences. One important item relates to student complaints. Mansfield University strives to serve its students fairly and equitably. If, however, a student has a complaint, the following process is in place to assist the student in resolving the complaint. Mansfield University encourages all students regardless of their residency, to FIRST initiate an attempt for resolution by following Mansfield University's Academic Standards: Due Process/Complaints. If an issue cannot be resolved by this internal process, a complaint may be filed with the Pennsylvania State System of Higher Education. Students located outside Pennsylvania may also choose to file a complaint with the appropriate agency in your state of residence.

For more information on this matter, please consult this website: http://online.mansfield.edu/state-authorization-for-distance-education.cfm

Study Abroad and International Exchanges

A world of opportunity exists for Mansfield students who participate in international exchanges or study abroad. Mansfield University offers direct exchange programs with Friedrich-Schiller-Universität in Jena, Germany and the Institute of Political Science in Toulouse, France. Through ISEP, our consortium partner, students can also choose from over 200 programs and universities worldwide.

Through Mansfield University's membership in the International Student Exchange Program (ISEP), the world's largest student exchange program, students have study abroad opportunities at over a hundred other universities in nearly forty other countries where they can take courses in English and in many other languages. In the past few years, Mansfield students have studied in Bulgaria, Chile, China, Iceland, Japan, the Netherlands, Poland, Scotland, Spain, South Africa, Sweden, and Thailand, along with Australia, Russia, Germany, France, and Canada. Students may also participate as visiting students in international programs at other Pennsylvania State System of Higher Education universities or in approved programs offered by other US and foreign institutions of higher education.

Interested students should contact the Study Abroad office or the Registrar's Office for information about available programs and an application file. Most study abroad programs require two academic recommendations and a GPA of 2.75, but some programs require a 3.0.

Students should consult the study abroad director and their academic advisor to determine the status of study abroad programs, grade transfer policies, and how the courses taken abroad will meet general education or major program requirements. A study abroad student can opt to receive a Pass or Fail grade for up to 15 credits of course work per semester abroad.

The cost of study abroad programs varies, but most are affordable. The University's goal is to offer students a semester abroad at roughly the same cost as that of a resident student at Mansfield. Financial aid and study abroad scholarships are available for qualified students.

Teacher Certification Programs:

Teacher Education Certification

The Teacher Education Unit is responsible for all teacher certification programs at Mansfield University. The Unit seeks to prepare teachers who have the knowledge, skills, and dispositions to meet the demands of public education in the twenty-first century. All certification programs are approved by the Pennsylvania Department of Education (PDE). Programs within the Unit are nationally recognized by many different professional organizations. The mission of the Teacher Education Unit at Mansfield University is to prepare educators who will make reflective decisions based on accepted theory, research, and practice as they serve our region, the Commonwealth of Pennsylvania, and the nation.

PDE Approved Certification Programs

- Early Childhood PK-4
- Special Education PK-8
- Music PK-12
- Earth and Space Science 7-12
- English 7-12
- Mathematics 7-12
- Social Studies 7-12

Undergraduate Degree Programs in Education

- BSEd Early Childhood Education (PK-4) with Optional Special Education Certification (PK-8)
- BSEd Professional Studies in Secondary Education, with concentrations in Earth and Space Science, English, Mathematics, and Social Studies (7-12)
- BM Music Education (PK-12)

Post-Baccalaureate Teacher Certifications at Mansfield University

- Early Childhood PK-4
- Early Childhood PK-4 with Special Education PK-8
- Music PK-12
- Earth and Space Science 7-12
- English 7-12
- Mathematics 7-12
- Social Studies 7-12

Chapter 354

Chapter 354 of the Pennsylvania School Code establishes standards and procedures for the Preparation of Professional Educators for all teacher preparation programs in Pennsylvania. Chapter 354 provides standards for students entering an initial certification program at Mansfield and for proceeding through the program. The various points in the program for which specific requirements are set are referred to at Mansfield as "Gates." Guidelines for admittance and for each subsequent Gate are detailed in this section and involve mandatory clearances, certain course or credit hour requirements, dispositions, and testing requirements.

Clearances

All required Pennsylvania teacher education clearances must be attained before registering for classes. If a student's clearance history changes throughout the course of study, the student is required to immediately share that information with the Educational Field Experience Office (Act 24). Students cannot register for courses until they satisfactorily complete the following clearance checks and are willing to allow The Field Experience Office to communicate their personal clearance information to participating school districts (for the purpose of field experiences). See the Field Experience Office for detailed information on the following clearance requirements:

- Act 151: Child Abuse Clearance
- Act 34: Criminal Background Clearance
- TB Tine Test (Tuberculosis)
- PA FBI Fingerprint Clearance (IdentoGO)
- One million dollars ($1 million) of Professional Liability Insurance coverage
- Act 24: Arrest and Conviction Report and Certification Form
- Act 126: Child Abuse Recognition Training
- Statements of compliance and understanding from required MU handbooks

Teacher Education Council policy (1997) prohibits candidates with a clearance offense from entering an education program without approval following the TEC process. Detailed information concerning this process is also available in the *Early Field Experience Handbook*. The Unit expects candidates and graduates to adhere to the Pennsylvania Code of Professional Practice and Conduct.

PDE Gates and Certification

Education majors are evaluated at three stages in their program, referred to as "Gates." Mansfield evaluates student preparation based on Pennsylvania Act 354 requirements. Students must complete their preparation programs and the requirements of all three teacher education Gates to be recommended for certification. **Gate One** requirements must be met within the first 48 credit hours of course work. Students will receive email confirmation that they have met Gate One and, consequently, will be permitted to take upper level education courses (courses numbered 3000 and above) after they have successfully made it through Gate One. **Gate Two** requirements must be completed before beginning student teaching. **Gate Three** requirements must be completed before recommendation for certification. Each department may have additional requirements specific to their education program. Students should see the individual program descriptions in this catalog and contact education program advisors for more information. Teacher education students are also assessed for professional dispositions (see handbook for details).

Gate One. Students completing the following requirements will be designated a Teacher Education Certification Candidate (TECC). A student must be designated a TECC in order to register for upper-level education courses numbering 3000 and above. To become a TECC, students must:

- complete a minimum of 48 hours of course work which may include transfer hours;
- have a Grade Point Average (GPA) of 3.0 or higher;
- complete two college level mathematics courses, one English Literature course, and one English Composition course before becoming a TECC (Math 0090 and English 0090 or developmental or remedial transfer courses do not meet this requirement);
- pass the Introduction to Education (ED1102) course;
- pass one of the two Basic Skills Tests, the Pre-service Academic Performance Assessment (PAPA), or the Praxis CORE (or pass by combining individual tests from different vendors to meet the basic skills requirement). Students transferring into Mansfield University from another institution and who have met all other Gate One requirements may be designated a probationary TECC. They will have one semester after admission to Mansfield University to pass the PAPA examination. Students should refer to the program description or see an advisor for additional program specific requirements. Students may be exempt from taking the PAPA or the Praxis Core if they have a qualifying score on the SAT (500 or higher on each of the modules) or ACT (22 in Reading, 21 in Mathematics, and 21 in Writing). The Basic Skills assessment is waived for all certificates (as of November 1, 2014), if the applicant completed an approved post-baccalaureate certification program or if a student holds a post-baccalaureate graduate-level degree.

Gate Two. Students wishing to be admitted to Student Teaching must complete the following requirements:

- have a Grade Point Average (GPA) of 3.0 or higher;
- complete all required education courses except student teaching and professional seminar; (Students wishing to take non-education courses after student teaching must petition the appropriate department chair).
- submit current student teacher clearances. (See program description or advisor for additional program specific requirements.)

Gate Three. Students seeking recommendation for teacher certification from the Mansfield University Certification Officer must complete the following requirements:

- pass the appropriate PDE required content exam;
- complete the appropriate education degree with a GPA of 3.0 or higher;
- apply for Pennsylvania Teacher Certification through PDE's on-line TIMS system.

Instructional Certificates

Instructional I provisional certificates (Chapter 49.82) are issued to applicants who possess a baccalaureate degree, successfully complete a PDE-approved teacher certification program, successfully pass department-prescribed tests and Pennsylvania Department of Education test requirements, and receive a recommendation from a college or university.

Instructional II certificates

Instructional II certificates (Chapter 49.83) are issued to applicants who complete a Pennsylvania Department of Education-approved induction program, complete three to six years of satisfactory teaching on an Instructional I certificate in approved public or non-public schools, and complete 24 semester credit hours of collegiate study or in-service programs approved by the department, as well as any other requirements identified by the Pennsylvania Department of Education. More detailed information concerning instructional certificates is available from the Bureau of Teacher Certification, Pennsylvania Department of Education.

Certification for educators in Pennsylvania is determined by State Board of Education Regulations, Chapter 49, Certification of Professional Personnel. Revised regulations, which became effective June 1, 2011, apply to all candidates who receive an Instructional I certificate after that date. By Department of Education policy, certificates are renewed or made permanent subject to the terms and conditions of the regulations in effect at the time the certificate was initially issued.

Required Field Experiences

Pennsylvania Department of Education's (PDE) Chapter 49 has established competencies for fieldwork and a specific structure for the completion of these requirements. All teacher certification programs include a four-stage structure. Each education student must demonstrate evidence of meeting the field experience competencies identified in each of the stages of learning. Mansfield University Course professors and supervisors will provide official validation for each student. This documentation is important in verifying successful completion of the Chapter 49 field experience competencies required for teacher certification. Although Mansfield University will provide sequential and developmental field experiences designed to meet state certification requirements, students are responsible for successfully completing these field experiences. Course completion will be hindered without successful mastery of field experience competencies.

Secondary Education

The Professional Studies in Secondary Education degree program prepares students for teaching grades 7-12 and is the combined responsibility of Education and Special Education faculty and the appropriate content-area faculty of the University. Students pursuing this Bachelor of Science in Education degree select a concentration from four content areas: Earth and Space Science Education, English Education, Mathematics Education, and Social Studies: History Education. Program students undergo an inquiry-based curriculum that balances data-driven decision-making with a design-thinking approach to new media. Teacher candidates work closely with content-area faculty to develop mastery in their field of concentration, which is measured via content-specific student learning outcomes. The Education and Special Education faculty also work closely with students in the program, helping them develop their knowledge of educational theories

and methodologies in order to apply that knowledge when planning and implementing instruction in field-based settings. This developing knowledge is assessed within the core secondary education and special education courses, field experiences, and in a professional portfolio, in accordance with the program's teacher education student learning outcomes.

Transcripts

1. A prepared transcript by Mansfield University can be ordered only through the online service at Parchment. Written or phone requests can no longer be accepted.
2. No official transcript is issued to or for a student who is indebted to the university until the debt has been paid in full.
3. Official transcripts of credit(s) earned at other institutions that have been presented for admission and evaluation become part of the permanent record in the Registrar's Office and cannot be reissued or copied for distribution. Transcripts from other institutions must be obtained directly from those institutions. Official transcripts issued directly to the student will be released only in a signed, sealed, embossed envelope.
4. Unofficial transcripts contain the same information as an official, but do not bear the authorized signature or seal of the university.
5. Transcript fee is $5 per transcript plus a $3.41 processing fee.

Undeclared/Academic Exploration Program Majors

Entering students who are not ready to choose a major may be accepted as "undeclared" and enrolled in the Academic Exploration Program. Advisors assist students in choosing courses to fulfill General Education requirements and advise them regarding taking introductory courses as a pathway toward selecting a suitable major. Undeclared students should choose a major after the second semester of their first year. All students must declare a major by the time they have earned 64 credit hours.

Visiting Students

Students enrolled full-time at a PASSHE university may elect to participate, for a limited period of time, in the Board of Governors' Visiting Student program offered at sister institutions. Information regarding the Visiting Student program is available online at Academic Forms.

Withdraw From a Course (W)

After the drop period, a student may withdraw from a course until 4 p.m. the last day of classes (not including final's week) as designated on the Academic Calendar. A course withdrawal form must be completed, which can be obtained at the Registrar's office at 224 South Hall. It must be signed by the course instructor. If fewer than 60 credits have been earned, the student must also have the withdrawal card signed by the advisor. Completed forms are returned to 224 South Hall.

A "W" will be recorded in the permanent record and will not be calculated in the quality point average (QPA). A student who withdraws from all courses is automatically withdrawn from the University.

There is **no tuition or fee adjustment** for course withdrawals; therefore, full payment is due to the University.

Withdrawal From the University

Withdrawing from the university is a very important decision. To discuss the implications of withdrawal, the student must consult with Financial Aid in 231 South Hall or by calling 570-662-4129. Students who would like to discuss personal concerns should contact the Counseling Center at 142 South Hall or call 570-662-4695. Resident students must also contact the Residence Life Office at 320 Alumni or 570-662-4934.

Students who wish to withdraw from the university may start the process by completing a "Withdrawal from the University Form" which is available from the Registrar's Office, 224 South Hall. Contact mnovitsk@mansfield.edu or 570-662-4874.

Withdrawal from the University is likely to have serious academic and financial ramifications. The following items will be discussed with the student by a member of the Registrar's Office upon presentation of the Withdrawal from the University Form.

- Withdrawing by the last day of classes does not list the term on the academic transcript.
- Transcript requests are made online at http://esd.mansfield.edu/transcript-request.cfm.
- Official transcripts may not be released when there is a hold on the student's account. These holds include, but are not limited to, student accounts (billing) holds, parking fine holds, library fine holds, athletic holds, residence life holds, and Perkins Loan holds.
- A current billing statement will be provided. The balance may change due to financial aid being returned on the account when the withdrawal form is processed based upon the date of the last class attendance/participation.
- If there is a balance once the withdrawal process has been completed, the student will be asked to set up a payment plan if the balance cannot be paid in full. Contact Dot Rakoski to set up a payment plan at 570-662-4889 or drakoski@mansfield.edu
- The student will be asked to provide a current address and phone number.
- Return any library materials.
- The student will be counseled on how withdrawing from the university will impact current and future financial aid.
- Withdrawing from the university prior to completing more than 60% of the semester will result in a change in financial aid for the semester. This date is calculated by the Registrar's Office based upon federal regulations. Any refunds already received may need to be returned in whole or in part. A calculation will be completed to determine the amount of financial aid that needs to be returned.
- Any outstanding documentation for eligible financial aid will be requested at the time of the withdrawal.
- Although withdrawn classes will not appear on the student's transcript, withdrawn courses will count AGAINST academic progress as it relates to financial aid and counts as attempted but not completed credits.
- Satisfactory Academic Progress (SAP) is checked upon readmission. See SAP policy.
- If there are student loans, the six-month grace period to begin repayment will begin immediately upon withdrawal. That is, six months after withdrawal from the university, the student will need to begin repayment of those loans.
- If called to active duty, the withdrawal process should be quick and easy. The student should complete the "Withdrawal from the University" form and attach deployment papers.

Students who leave the university without properly notifying the university for other than extenuating circumstances (as documented by a physician, counselor, or other appropriate individual) will receive a grade for each attempted course.

All students who have withdrawn and who desire readmission to the university must file an application for readmission.

Students who apply for readmission within one calendar year of the date of withdrawal will have the application fee waived. Students are not guaranteed readmission.

Completion of a "Withdrawal from the University Form" must be done by the last regular class day of the semester not including finals week.

Once withdrawal is complete, the administration will promptly notify all appropriate offices, including the student's advisor and course instructors. On-campus students are responsible for checking out of their residence hall by contacting a Residence Life staff member.

http://esd.mansfield.edu/withdrawal-from-the-university.cfm

Refund Period (% of Enrollment Period Completed)	Refund Percentage	Duration (Illustration of Estimated Weeks in Typical Semester)
0-8.5%	**100%**	**Through "drop period"**
8.51-12.50%	**80%**	**Through Week 2**
12.51-19.44%	**60%**	**Through Week 3**

19.45-26.39%	**50%**	**Through Week 4**
26.40-33.33%	**40%**	**Through Week 5**
>33.3%	**0%**	

^ TOP

[Archived Catalog]

Scholarships

---

^ TOP

Scholarships

Entering students: All entering students who are regularly admitted to the university are automatically placed into the scholarship review process. A special scholarship application is not required. Students are reviewed on a rolling basis based on acceptance to Mansfield University.

Returning Student Scholarship Application Information and Deadlines: The scholarship application deadline is April 15 and is available online through your My Mansfield portal beginning mid-February. Some scholarships require additional and supporting documentation. Awards are determined by the University Scholarship Committee.

A current listing of all scholarships is available online: https://esd.mansfield.edu/scholarships/new-student-scholarships.cfm?cssearch=31250_1

[Archived Catalog]

Services for Students

Click on a link to be taken to the entry below.

- Department of Student Support Services
- TRiO
- Mountie Spirit Store
- Career Center
- Library

---

^ TOP

Department of Student Support Services

The University provides services to students to support their academic and personal development. These services include Academic Advising, Counseling, the Learning Center, Support Services, Services for Students with Disabilities, and the Writing Center. In addition, all faculty within the Department of Student Support Services advise students enrolled in the Associate's Degree in Liberal Studies.

Academic Advising

The Academic Advising Center provides services to a wide range of students, inlcuding special support for underrepresented students of color through a minority mentoring program called SUPPORT. This initiative supports Mansfield's diversity goals through various workshops and guest speakers. This includes developmental workshops and leadership conference opportunities.

Mission: The mission of the Academic Advising Center is to provide quality academic advising by assisting students in the purposeful planning of an undergraduate liberal arts education, contributing to an environment that promotes academic (Scholarship) and personal, as well as intellectual, and ethical (Character) growth. Academic Advising is a decision-making process by which students realize their maximum education potential through communication and information exchanges with an advisor; it is ongoing, multifaceted and a shared responsibility of both the advisor and advisee. The advisor, utilizing a developmental, proscriptive and/or prescriptive, strength-based approach, serves as a constant facilitator of communication and a coordinator of learning experiences (through course and career planning and academic progress review), and as an agent of referral to other campus services.

Vision: Mansfield University's Academic Advising Center aspires to provide an excellent advising experience through the development of academic and career goals, meaningful collaborative relationships, and appropriate academic decision making and navigational skills, that will result in students valuing and applying their liberal arts education.

Counseling Center

The University Counseling Center encourages all students of the campus community to access counseling services. All services provided by the University Counseling Center are offered at no additional cost to the student and respect the applicable confidentiality laws and ethical guidelines of the APA (American Psychological Association) and ACA (American Counseling Association). We offer individual, couples, and family counseling to students and provide workshops for organizations, as well as other services as needed. For additional information or to schedule an appointment, visit our website http://www.mansfield.edu/counseling-center/ or call 570-662-4695.

Gateway Program

Mission: The Gateway Program is designed to support students who demonstrate potential for success in college but may lack traditional evidence for admission. The program provides an umbrella of individualized services and opportunities to achieve academic success. Gateway offers a variety of support services and proactively engages with students on an ongoing basis throughout the academic year. The program's support is the result of a collaborative process in which the students are active participants in assessing and identifying their needs and progress.

Vision: The Gateway Program strives to empower students to develop practical strategies that will equip them to successfully meet the challenges they face in collegiate life. Among the opportunities available to students are an orientation and transition to college expectations and life, academic advisement with experienced and knowledgeable faculty, educational skills workshops, tutoring, assistance from learning specialists, peer mentoring, counseling, developmental leadership opportunities, supplemental instructors, study groups, study tables, and active links to career planning and cultural events.

The Learning Center and the Writing Center

The Learning Center and the Writing Center at Mansfield University are committed to helping students achieve their academic goals. Staff are dedicated to providing a success-oriented learning environment that focuses on the essentials of what is needed to succeed in college. Student support programs are designed to assist students in maximizing their academic potential.

The Learning Center provides peer tutors, supplemental instruction study sessions, workshops, and additional one-on-one support as necessary. These student support programs focus on course content, collaborative student learning processes that are designed to actively engage the learner, and teaching and implementation of learning strategies. The Writing Center provides peer-tutors who are identified by English professors as excellent writers to help students develop effective writing and editing strategies that support the formal writing instruction and requirements presented in various courses throughout the curriculum.

MISSION

The mission of the Mansfield University Learning Center is to support, encourage, and empower students to become independent, self-advocating, resourceful, and lifelong learners.

VISION

The Center's vision is to become a place where both faculty and students willingly rely on our resources, where they are free to question, take risks, and effectively achieve their academic and pedagogical goals.

Services for Students with Disabilities

Mission: Mansfield University's Office of Services for Students with Disabilities (SSD) is committed to both the letter and the spirit of the law which mandates that access to higher education be provided to students with disabilities. Accordingly, Mansfield will provide various disability-related services to ensure that students with disabilities have the opportunity to participate in the educational, social, and cultural life at Mansfield University.

Vision: The vision of the Office of SSD is the provision of accommodations in collaboration with a supportive network to break down access barriers for the purpose of equality in education. The academic and personal growth gained from a student's own experiences and self-advocacy through their participation in Academic and Human Development will develop a more confident and successful graduate.

The SSD office serves those students who are covered under ADA as having a physical or mental impairment that substantially limits one or more major life activities. The office further includes those qualifying under Section 504 of the Rehabilitation Act which mandates that "No otherwise qualified individual with a disability in the United States, as defined in section 7 (20) shall, solely by reason of her or his disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

The SSD office is the main advocate for students with disabilities who request academic accommodations at the University. It is the goal to

assist students in gaining appropriate and reasonable accommodations, while enhancing their ability to pursue a meaningful college experience.

After submitting pertinent documentation, SSD will attempt to address all reasonable accommodations appropriate to the student's needs. Current accommodations include, but are not limited to, ADA residence hall requests, priority registration, testing accommodations, readers, interpreters, guidance in acquiring assistive devices, and relocation of class sections to aid access.

Students are encouraged to contact the Director of SSD in South Hall to discuss any accommodations. Early notification (with the appropriate required documentation) is critical when seeking physical or academic accommodations for effective and timely implementation.

TRiO

TRiO Student Support Services is a federally funded and competitive grant that has been established at Mansfield University since 2005.

TRiO provides extensive support for the students enrolled in the program. TRiO offers a variety of programming and services to our students, including academic and personal growth workshops, financial aid and financial literacy workshops, cultural and social activities, tutors, peer mentors, career counseling (including preparation for graduate school), and activities focusing on leadership and service. Staff are dedicated to providing personalized services to our students to help them gain the skills they need to graduate from college and to reach their personal and professional goals.

Mission Statement: The mission is to increase the persistence and graduation rates of students enrolled in the TRiO program by offering academic, personal, financial, and career support to help students develop the values of the Mansfield Creed (Character, Culture, Scholarship, and Service). The staff members work diligently to empower the students to become critical thinkers who take responsibility for developing strategies to succeed not only in college, but also in their professional lives beyond college. TRiO works closely with programs across campus to facilitate student success. In doing so, the Program helps foster an institutional climate supportive of the success of underprepared college students.

TRiO Goals

- The department will provide opportunities for first-year students to successfully transition into college.
- The department will provide quality one-to-one counseling to TRiO students through advising, peer mentoring, and quality programming. In doing so, we will provide students with the opportunities to acquire skills necessary to succeed in college.
- The department will provide opportunities for students to gain leadership skills necessary for successful careers and will prepare students for post-college plans.
- The department will foster the development of the Mansfield University Creed values: character, scholarship, culture, and service.
- 75% of students in the department will remain in good academic standing each semester by maintaining a 2.0 QPA or higher and will achieve a persistence rate equal to or above the university cohort.
- 55% of new participants served each year will graduate within 6 years.

Program Outcomes:

- Students will identify resources to help them transition from high school to college.
- Students will create Individual Success Plans each semester that reflect their personal learning goals.
- Students will describe the skills necessary to succeed academically, psychologically, and financially in college according to their personal learning goals.
- Students will be able to demonstrate the critical thinking skills necessary to succeed in college.
- Students will exhibit academic success by maintaining a QPA of 2.0 or above.

Policies and Procedures:

- Students must apply to be part of the TRiO SSS Program; in addition to having academic need, they must meet the eligibility requirements set forth by the Department of Education (TRiO SSS Program Eligibility: http://www2.ed.gov/programs/triostudsupp/eligibility.html)

Mountie Spirit Store

The Mountie Spirit Store is a non-profit organization operated by College Community Services, Inc., governed by the students. The store carries MU clothing, school supplies, mugs, graduation attire, MU decals and more. The Mountie Spirit store is located on the second floor of the Alumni Hall Student Center and open from 8 a.m. to 4 p.m. Monday-Friday. Textbooks are no longer sold on Campus. Books can be purchased at mansfield.textbooks.com.

Career Center

The Career Center is an integral part of the university and focuses on the relationship between self, education, and careers. It subscribes to the concept that career development is an ongoing, lifelong process, which incorporates self-assessment and career readiness. Students are encouraged to be engaged participants in their own career journey and to develop a relationship with the Career Center starting their first semester on campus.

Both students and alumni are supported with a wide range of services, including career exploration and development, career interest inventories, resume and cover letter writing and critique, job search techniques, practice interview sessions (in-person and virtual), on-campus recruitment interviews, and other various professional development opportunities. A career library of websites, printed, and software-based information covering career options, professional associations, employment trends, internships, job listings, and graduate/professional schools is maintained through the Career Center. Job and internship opportunities are posted electronically through Handshake. Students and alumni can access this free service at career.mansfield.edu. Students are encouraged to engage in Career Center services and programs early in their academic career.

The Career Center is located on the Ground Floor of Alumni Hall and may be reached at 570-662-4133 or careers@mansfield.edu. Appointments are suggested and available in-person, by phone, email, or virtually (via Zoom). For more resources, information about the Career Center and a calendar of events, please visit career.mansfield.edu.

Library

Mansfield University provides information resources both virtually (see the Library Website) and in the historic and elegant 19th century setting of North Hall. The quality resources provide students access to information from around the world. Most resources are accessible regardless of physical location.

The Library is located on the first four floors of North Hall and has several special features to promote the efficient use of information in both printed and electronic forms. The Library has been designed to highlight traditional subject strengths, such as those for music and education, and also to provide immediate access to electronic information via extensive computer networking. If students need help using the resources housed in the Library, there are several service points, with the most comprehensive being the Information Desk on the second floor, North wing. The personnel who staff this area can help with traditional reference questions on how to use printed and electronic resources and will also provide advice on equipment problems. More specialized service sites include 1) the Circulation Desk in the entrance lobby, which includes the printed reserve collection, laptops and other multimedia materials, and other reserves, and 2) the Microfilms/Periodicals Desk in the North wing of the 1st floor. Printed brochures are available throughout the Library providing answers to commonly asked questions about library resources and services.

A wide range of resources and services are available to support teaching, learning, and research for on-campus students and for distance education. Detailed information about the library's collections and services is available through the Library Website at http://lib.mansfield.edu/ and more specifically http://mansfield.libguides.com/distance for our online population. Another important contact point is the Information Desk (Reference), *Ask a Librarian* feature, or emailing libref@mansfield.edu. **Distance Education** students will be mailed their library access bar code or may find this code at http://lib.mansfield.edu/faq/library-id-number-lookup/.

Library Policies

1. A Mansfield University ID card is necessary each time materials are checked out, including library-use-only reserve items. ID cards and circulation privileges are not transferable and are intended for use only by the person in whose name the card was

issued. A lost or stolen ID card should be reported immediately at the Circulation Desk.

2. General circulating materials such as books, curriculum guides, government documents, pictures, and textbooks circulate for an established period for students. Other item loan types include:

a. Bestsellers
b. Laptop Computers: library use only except laptops designated for circulation that may be checked out for 7 days (no grace period and applicable fine)
c. Equipment: Headphones, phone chargers, umbrellas, white boards and room keys.
d. Media Materials: audio and videocassettes, phono discs, compact discs, audio and videocassette players, and DVDs.
e. Reserve Materials: loan periods are assigned by the professor and range from library use only to one day, three days, or one week. The Library offers electronic reserves so you may access the materials from outside the library and from off campus. Please check with your instructor or the Circulation Desk personnel to determine if the materials you need are available electronically if you cannot verify it yourself.

3. Most items may be renewed in person (please no telephone calls) unless reserved for another patron. Renewals may be made without having the materials present if the patron has a Mansfield University ID card. Patrons also can renew library materials online. (See the Library home page for information on how renew online.)

4. A patron may place a hold on any item that is in circulation except for course reserves. When the item is available, the requestor will be notified and the item will be held at the Circulation Desk for one week.

5. After an item has been in circulation for two weeks, it may be recalled at the request of another patron. The recall notice will allow one week for the return of an item to the Library. Items needed for course reserve will be recalled by the Library immediately.

6. All materials should be returned to the Circulation Desk. When the Library is closed, books may be deposited in the book return located on the east wall, right of the front entrance. Please do not place media materials in the book return as these materials are easily damaged.

7. A reminder listing overdue items may be sent to the patron when items are not returned by the due date. Library patrons who return all the listed items within the grace period will not be subject to overdue fines.

8. Fines and Fees are subject to change - please see Library Website at http://lib.mansfield.edu/home

9. All patrons are responsible for replacement fees for lost or non-returned items. Charges will be based on an average price for the item plus a $10 processing fee. Refunds for materials returned to the Library after replacement charges have been paid are given only if the item has not been replaced or withdrawn from the collection. Fines and Fees are subject to change - please see the Library Website.

10. The Library uses an electronic security system that detects any materials that are not checked out. Individuals who attempt to leave the Library with materials that have not been checked out from the Library are automatically referred to the University Police.

11. Please refer to http://mansfield.libguides.com/content.php?pid=269190&sid=2221928 Library Information, for a more detailed list of Library Operations and Policies/Guidelines as changes occur.

Tobacco products may not be used in the Library. Food and beverages may not be consumed in the Library except in the Visual News section of the Library.

^ TOP

[Archived Catalog]

Student Life

Click on a link to be taken to the entry below.

- Student Policies

Residence Hall Living

Mansfield is a university on the move. Exciting growth and changes are happening around campus. The suite-style residence halls have added comfortable, air-conditioned, attractive housing options for students living on campus. Having the right living arrangement is an important part of the student's overall college experience. Four state-of-the-art, suite and semi-suite style residential buildings with private bathrooms provide more than 1,300 beds, with each building offering four to five different styles of living units. All buildings include the following:

- Individual bathrooms with spacious showers in each suite
- Microfridges provided in each suite (included in the room rate)
- Ample numbers of private room options
- Unit-controlled air conditioning and heating
- Coed housing, every other unit (in most buildings)
- Gender-neutral housing, private bedroom suites (Spruce and Sycamore)
- One-card security access and entry-door camera coverage
- Carpeted bedroom and living areas
- High-speed wired and wireless internet connectivity
- Suite options with living space ranging from 300 to 1070 square feet
- Laundry facilities and trash disposal on each floor
- Group project area and study lounges on each floor
- Multipurpose recreation area and large-screen TV lounge in common area (including technology for student and/or academic presentations in the living area)
- Game room for shooting pool, etc.
- Kitchen(s) in each hall

Thoughtful building design incorporates living-learning opportunities, which promote student academic success. Individual floors provide group project rooms and study lounges that can be utilized by academic tutors, counselors, and study sessions for individual or team projects. Ground floor access to multipurpose rooms and kitchens affords abundant opportunity for lectures, performances, exhibits, and social functions.

To meet the interests of our diverse student body, various housing options are available, including special interest housing. To help ensure a positive living environment, full-time, professional staff members live in the residence halls and are assisted by student staff members who live on each residence hall floor. All residence halls are smoke free.

Since residence halls are homes away from home for students, each is furnished and equipped to meet student needs. In addition to furniture, each room is equipped with computer network access for each student. Each residence hall has laundry facilities, kitchenettes, study lounges,

and comfortably furnished lounges for informal gatherings. They are the focal point for a variety of educational, recreational, and social programs and activities on campus, and provide numerous leadership and work opportunities.

Comprehensive information about residence hall living, on-campus residency requirements, costs, dining options and room assignments is available on-line on the Student Living web page. Additional information can be found in the Residence Hall Handbook. All students in the first two years of study are required to live and dine on campus unless they meet exemption requirements specifically delineated on the Student Living webpage.

Student Affairs

To facilitate the personal and professional development of students by providing resources and opportunities that result in a successful learning environment is the mission of the Office of Student Affairs, recognizing that University experience involves learning both in and outside of the classroom. To ensure a positive out-of-class educational experience, offer a wide range of activities to supplement in-class learning, to provide opportunities to gain valuable hands-on experience, and to strengthen interpersonal skills, the Office of Student Affairs coordinates a variety of social, cultural, and recreational programs.

Student Organizations

Mansfield University has over 75 active clubs/organizations and a wide variety of music ensembles, both vocal and instrumental, that provide outlets for student interests as well as opportunities for students to sharpen personal skills and strengthen both leadership and organizational skills. Many of the activities planned by these organizations are funded by student activity fees.

Although participation in student organizations provides opportunities for having fun, developing personal skills, and gaining hands-on experiences, a practical advantage for students can be to enhance personal portfolios that could be very valuable when entering the job market. The university encourages students to become involved in these opportunities.

Student Center

The Alumni Hall Student Center (AHSC) is a campus focal point for students to gather and relax. The AHSC contains numerous spaces for a wide range of organized activities as well as informal gatherings. The AHSC houses the Mountie Spirit Store, Mountie Coffee, Mountie Lounge, the Martin Luther King Jr. Resource Center which houses Multicultural Affairs, meeting rooms, the Women's Center, organization mailboxes, TV lounge, multi-purpose rooms, offices for the Student Government Association (SGA), and College Community Services, Inc. (CCSI). Additionally, the AHSC houses numerous Student Affairs offices which provide resources and opportunities in supporting student success. The Commuter Lounge is also located in the Student Center.

Student Government Association

Student opinion and input into the operations of Mansfield University are valued and fostered. The Student Government Association (SGA) provides a forum for discussion and an avenue for students to make change. Under the umbrella of SGA, students serve on the Executive Board, Student Senate, and a wide range of university committees. In cooperation with faculty, staff, and trustees, they are part of the decision-making processes of the university.

Office of Student Involvement and Leadership

Mission

The Office of Student Involvement and Leadership promotes student learning and community through high-impact student engagement that develops student leaders through co-curricular / extra-curricular experiences that enable students to complement their academic learning experience by further developing critical thinking, decision-making, values clarification, and problem-solving skills.

Vision

To create transformative learning experiences that develop ethical student leaders to lead lives of balance, generosity, and integrity in the

university and outside community in which they serve.

About Student Activities

The Office of Student Involvement and Leadership provides co-curricular opportunities for students to engage in that are fun, entertaining, and educational by design. These diversified opportunities in the form of special events, student activities, and extra-curricular programming (concerts, lectures, films, travel, theatre, multi-media, special events, etc.) are designed to promote student leadership development, social interaction, self-exploration, organizational development, and student formation. The Office of Student Involvement and Leadership guides and assists students from idea to implementation on all aspects of special event and extra-curricular programming, to include research, design, management, planning, advertising, promotion, production, and assessment. Additionally, it is a key resource for students in the areas of equipment, materials, publications, training, advertising /promotional tools, artist / entertainment agency contacts, programming ideas, etc., that students, student clubs & organizations, and advisors can utilize in planning and implementing their programs and developing stronger clubs and organizations. The office further supports the university creed of **Character, Scholarship, Culture, and Service** and the **academic mission** of the institution by intentionally linking student experiences that occur both inside and outside the academic classroom.

The Hut

The Hut is our premier student union facility on campus. It is a student social and recreational center for co-curricular and extra-curricular activities that enhance the quality of student life on campus and contribute to the university's mission.

Multicultural Affairs

Mission

To promote and advocate for diversity, multicultural and global education, and inclusivity at Mansfield University. These goals will be accomplished by providing programs and events designed to support and educate students, faculty, and staff on issues relating to cultural sensitivity, social awareness, and global information.

Multicultural Affairs is housed in the Martin Luther King Jr. Resource Center and receives its charge from Mansfield University's Creed. The creed has four core values and one of those values is **Culture.** "We believe in celebrating humanity. We enrich ourselves and others by sharing and exploring our similarities and differences. We honor the past as we invent the future." Multicultural Affairs operates to support student learning about culture.

Athletics and Recreation

Mansfield University is a member of the National Collegiate Athletic Association (NCAA) and its 14 intercollegiate teams play at the Division II level.

Women's programs include soccer, field hockey, basketball, cross-country, softball, indoor track, and track. Men's programs include football, cross-country, basketball, baseball, indoor track, and track. Sprint football is not an NCAA sport but provides special opportunities for intercollegiate competition through the Collegiate Sprint Football league.

The University's recreational sports program is for students who value athletic participation but at a less competitive and more social level. It provides a broad range of opportunities in men's, women's, and coed events as well as multiple groups involved in aerobics. In addition, both indoor and outdoor facilities for organized as well as individual participation are available. The Kelchner Fitness Center provides facilities for basketball, volleyball, badminton, indoor soccer, aerobics, racquetball and dance, and includes a well-equipped fitness room. Additionally, a Rock Climbing Wall provides students with extensive casual and technical climbing experiences. Students may use the facilities individually, in groups, or as part of the recreational sports program. Club Sports programs are also available.

Health Services

Healthcare services for MU students are provided at our on-campus Health & Wellness Center located in Spruce Hall. The Health & Wellness Center is staffed with a Family Nurse Practitioner (FNP), Licensed Practical Nurse (LPN), and an Administrative Assistant. Students requiring

medical care are referred to the Guthrie Clinic located just off campus.

Comprehensive primary health care services are provided to registered full- and part-time undergraduate and full-time graduate students while the university is in session. There is no additional cost for basic care beyond the health fee paid each semester. There is a fee, however, for specialized services such as tests and x-rays. The University police are trained to deal with medical emergencies and are assisted as necessary by the residence hall staff. Community ambulance service is available on a 24-hour basis to transport students with serious emergency medical problems to local hospitals as required.

Identification Cards (One Card)

A University identification card that contains a photo (also known as "One Card") is issued to students, faculty, and staff. All students, including those off-campus, must have an MU One Card. One Cards are available at the CCSI office (College Community Services, Inc.), inside the Mountie Spirit Store. Regular office hours are Monday-Friday from 8 a.m.-4 p.m. Extended hours are available during the first two weeks of classes but vary each semester; therefore, students should contact the CCSI office at (570) 662-4929 for specific information.

Student One Cards must be carried at all times and shown to authorized personnel upon request. The cost of the One Card is $5 for new students. Replacement cards are $15.

In addition to identifying your affiliation with Mansfield University, your card provides access to on- and off- campus services.
On-campus services include:

- Residence Halls
- Kelchner Fitness Center
- On-Campus Dining, Meal Plans, and Flex Dollars
- Access to North Hall Library Resources
- Campus Events and Activities
- Athletic Events
- Mountie Money, which acts just like a debit card and never expires!

Mountie Money can be used for:

- Postage
- Vending Machine Purchases
- Mountie Spirit Store Purchases
- Printing and Copying on campus
- Parking Fines and Permit Payments
- Various local businesses

Money can be added at any time by cash, check, or credit card, at the CCSI office, PHIL station in Alumni Hall, or online through the One Card Web Portal. (Flex money is part of the meal plan and is separate from Mountie Money. Flex funds expire every spring semester). Use the One Card webportal to manage One Card account online. Students can make deposits, view statements, check balances, and deactivate lost or stolen cards.

The One Card also enables students to receive discounts on many cultural and entertainment productions on- and off- campus. In addition, cards are used to access the Library website from off-campus for services and convenience.

Students enrolled in an online program will receive a letter containing their Library Access bar code. The online student also has the option of receiving an actual One card by submitting a picture (equivalent to a passport/drivers license photo) and a front/back copy of an official government ID (i.e., driver's license, military ID), along with $5.00, to the office of One Card Administration, 208 Memorial Hall. For questions, please call 570-662-4074.

Police and Safety Services

The University Police Department is located in Doane Center and is open 24 hours each day of the year. The Department staff includes 9 commissioned police officers, including the Director, 3 security officers, and one clerical staff. The Department has responsibility for parking enforcement and parking permit issuance, crime prevention, criminal investigations and other related police functions, and student weapons storage.

^ TOP

Student Policies

Educational Records Confidentiality Policy

The University collects and maintains data and information about students for designated periods of time and for the express purpose of facilitating their educational development. The University recognizes the privacy rights of individuals, as guaranteed by the Family Rights and Privacy Act of 1974 and the Pennsylvania Right-to-Know Law of 1957, and attempts to balance those rights with the institution's need for information relevant to the fulfillment of its educational mission. As such, the university has an approved policy on the confidentiality of student records that outlines all procedures that apply to the collection, maintenance, and release of such records. (See University Polices section of this catalog regarding Family Education Rights and Privacy Act).

Code of Conduct

Students are accountable for the information contained in The Student Code of Conduct as electronically published at https://www.mansfield.edu/student-affairs/the-office-of-student-conduct.cfm Find the Student Code of Conduct on the Office of Student Conduct website https://www.mansfield.edu/student-affairs/the-office-of-student-conduct.cfm.

Smoking/Tobacco Policy

The Mansfield University policy on smoking and the use of smokeless tobacco is consistent with both the Pennsylvania Clean Air Act and policies established by the Board of Governors for the Pennyslvania State System of Higher Education. Concerns with this policy or reports of violation of this policy should be directed to the Vice President for Finance and Administration.

1. Smoking or the use of smokeless tobacco products is not permitted in Mansfield University buildings, except in an area or individual office that has been designated as a smoking area. Classrooms, laboratories, reception areas, common areas, conference rooms or other places where classes, committees, or other public groups may convene are not to be designated as smoking areas. Entrances to buildings will be appropriately signed to indicate that smoking is permitted in designated areas.
2. The use of smokeless tobacco is only permitted in smoking areas. Users of smokeless tobacco products are to discard expectorant in toilets and not in common ashtrays or common waste containers.
3. The Vice President for Finance and Administration is responsible for the designation of smoking areas within buildings other than residence halls. Requests to (a) designate a new or additional smoking area or (b) to delete the designation of an area for smoking should be addressed to the Vice President who shall make decisions on smoking area designations consistent with this policy after consulting, where appropriate, with other cabinet members and the Administrative Affairs Committee of the Faculty Senate.
4. Consistent with this policy, smoking is also prohibited in all residence halls.

Drug and Alcohol Abuse

Mansfield University is an active member of the Network of Colleges and Universities Committed to the Elimination of Drug and Alcohol Abuse. The standards of the network have also been adopted by the Board of Governors of the State System of Higher Education as policy for all state universities.

The University has the responsibility to provide a drug-free environment where the use of alcohol and other drugs do not interfere with learning. For this reason, the possession, distribution, and/or use of alcohol and other drugs on the Mansfield University campus is prohibited. Persons violating this prohibition will face university disciplinary sanction, and/or arrest by university police. University disciplinary actions will include an educational component to encourage the individual's acceptance of the responsibility for the individual's

choices and behavior.

Mansfield University will educate and provide information to the campus community for the purpose of preventing the abuse of alcohol and other drugs. The university will also provide counseling and referrals for persons with alcohol or other drug problems.

Medical Marijuana Policy

Background

Pennsylvania became the 24th state to allow medical marijuana use when Governor Tom Wolf signed enabling legislation in April 2016. Marijuana prescriptions are restricted to state residents suffering with any of 17 "serious medical conditions," including cancer, glaucoma, epilepsy, HIV/AIDS, and post-traumatic stress disorder. Prescriptions are filled only at approved dispensaries. The first dispensaries opened in Pennsylvania on February 15, 2018.

Policy

The use, possession, storage, or cultivation of marijuana for medical purposes is prohibited for all individuals on all Mansfield University properties and instructional locations, including, but not limited to the facilities at Robert Packer Hospital in Sayre, Pennsylvania. Medical marijuana use is also prohibited at all Mansfield University sponsored, conducted, or authorized events and activities held off campus. The federal government regulates drugs through numerous laws, including the Controlled Substance Act, the Drug Free Workplace Act, and the Drug Free Schools & Communities Act as codified under the Drug-Free Schools and Campuses Regulations [EDGAR Part 86]. These laws do not recognize the difference between medicinal and other uses of marijuana, which is classified as a Schedule I drug under the Controlled Substances Act.

Mansfield University must abide by and certify it is in compliance with all federal laws and regulations in order to be eligible to receive federal funding through Title IV in the form of student financial aid (grants, loans, and work-study program), as well as other forms of federal funding, such as research or program grants like TRiO. Students and employees who violate this policy may be subject to campus sanctions and federal penalties.

Scope

This policy applies to anyone who has a physical presence on University properties, instructional locations, or at off-campus activities and events sponsored or authorized by the University. Beyond students and employees, this policy also applies to visitors, contractors, and employees who work for contractors, including CCSI and food services personnel.

Forms

The University requires most first- and second-year students who reside 50 miles or more away from Mansfield to reside on campus. Students with valid medical marijuana prescriptions may petition the Office of Disability Services to be waived out of their campus housing requirements.

Responsibility

Because this is a University governance issue, responsibility for this policy is with the President's Office and the Council of Trustees.

Motor Vehicle Registration

Regulations pertaining to parking and vehicle use are available at the University Police Department, Doane Center, or online at https://www.mansfield.edu/police/parking/index.cfm and are also distributed when registering vehicles. All students, employees, and visitors who operate a vehicle on campus must register their vehicles and display the appropriate decal or tag.

[Archived Catalog]

University Calendar

Click on a link to be taken to the entry below.

- Fall Semester, 2021
- Spring Semester, 2022

^ TOP

Fall Semester, 2021

Classes Begin	M	Aug 23
Last Day to DROP and ADD Classes	M	Aug 30
Last Day to Submit:	T	Sep 07
Credit-By-Exam form		
Application for Graduation for May 2022		
Pass/Fail form		
Labor Day - No Classes	M	Sep 06
Last Day to Submit Incomplete Grade Changes	F	Sep 17
Last Day to Complete 'Credit by Exam'	Tu	Sep 21
Mid-Semester Grades Due 4:00 pm	F	Oct 08
Registration for Spring Semester Begins	M	Oct 18
Last Day to Withdraw from a Course	F	Oct 29
Fall Break/Thanksgiving Holiday - No Classes	T-F	Nov 23-26
Fall Semester Classes End	F	Dec 03
Final Examination Period	M-Th	Dec 6-9
Fall Semester Grades Due 12:00 noon	M	Dec 13

^

Spring Semester, 2022

Classes Begin	M	Jan 24
Last Day to DROP and ADD Classes	M	Jan 31
Last Day to Submit:	Tu	Feb 08
Credit-By-Exam form		
Application for Graduation for December 2022		
Pass/Fail form		
Last Day to Submit Incomplete Grade Changes	F	Feb 18
Last Day to Complete 'Credit by Exam'	Tu	Feb 22
Mid-Semester Grades Due 4:00 pm	F	Mar 11
Spring Break - No Classes	M-F	Mar 14-18
Registration for Fall Semester Begins	M	Mar 21
Last Day to Withdraw from a Course	F	Apr 01

Spring Semester Classes End	F	May 06
Final Examination Period	M-Th	May 09-12
Spring Commencement	Sa	May 14
Spring Semester Grades Due 12:00 noon	M	May 16